JVC

SERVICE MANUAL

COLOUR TELEVISION

BASIC CHASSIS
CM-II'

AV-F2983(MA)

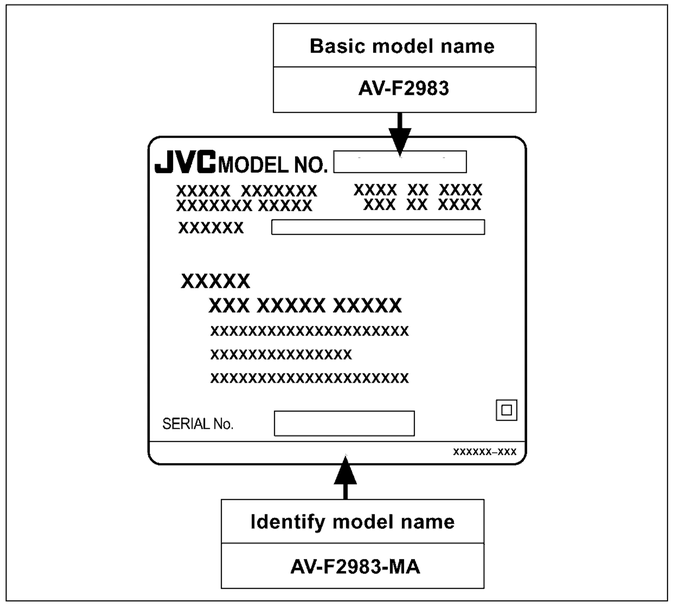
This service manual mainly consists of the following items:
- **The items which differ from those for the AV-F29MX3 service manual.**
- **The initial value for each setting item.**

For details other than those described in this manual, please refer to the following service manual.
Reference Service Manual: AV-F29MX3 Service Manual (No. 51641, Sep. 1999)

Note: The page in parentheses shows the one for the AV-F29MX3 Service Manual (No. 51641, Sep. 1999).

HOW TO IDENTIFY MODEL

While referring to the illustration given below, identify model name on the rating label affixed to the rear cover.



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No. 56043
Aug. 2000

PARTS DIFFERENCE TABLE

The different parts between AV-F29MX3 and AV-F2983(MA) are described below:

⚠	REF. NO.	AV-F29MX3 PART No.	AV-F2983(MA) PART No.	PART NAME	DESCRIPTION
■ EXPLODED VIEW PARTS LIST (Pages 33 and 34)					
⚠	V01	A68KVL74X02/DT/	**A68KVL74X03/DT/**	PICTURE TUBE	
	1	LC10414-001C-H	**LC10414-010A-H**	FRONT CABINET	
	4	LC20294-001A-H	**LC20294-004A-H**	DOOR	
⚠	25	LC20377-010B-H	**LC20377-001B-H**	RATING LABEL	
■ PACKING PARTS LIST (Page 63)					
	1	CP11781-051-H	**GG10056-028A-H**	PACKING CASE	
⚠	7	LCT0434-001A-H	**LCT0847-001A-H**	INST BOOK	
⚠	8	LCT0520-001A-H	———	DIGEST MANUAL	
	—	LCT0435-001A-H	———	DIGEST MANUAL	

SPECIFICATIONS (Page 2)

Item		Content
Dimensions (W × H × D)		765mm × 591mm × 524.6mm
Mass		38kg
TV RF System		B / G, I, D / K, K1, M
Colour System	TV Mode	PAL / SECAM / NTSC3.58 / NTSC4.43
	VIDEO Mode	PAL / SECAM / NTSC3.58 / NTSC4.43
Receiving Frequency	VHF (VL)	46.25MHz ~ 168.25MHz
	VHF (VH)	175.25MHz ~ 463.25MHz
	UHF	471.25MHz ~ 863.25MHz
	CATV	● Cable TVs of Mid (X-Z, S1-S10) Super (S11-S20) & Hyper (S21-S41) bands receivable
Intermediate Frequency	VIF Carrier	38.0MHz
	SIF Carrier	31.5MHz (6.5MHz) 32.0MHz (6.0MHz) 32.5MHz (5.5MHz) 33.5MHz (4.5MHz)
Colour Sub Carrier Frequency		PAL (4.43MHz), SECAM (4.40625MHz / 4.25MHz) NTSC (3.58MHz / 4.43MHz)
Aerial Input Terminal		75Ω Unbalanced
Power Input		AC110 ~ 240V, 50 / 60Hz
Power Consumption		165W (Max.) / 120W (Avg.)
Picture Tube		Visible size : 68cm measured diagonally
High Voltage		31kV +1/–1.5kV (at zero beam current)
Speaker		6cm × 12 cm Oval type × 2
Audio Output		5W + 5W
Input (S/Video-1, Video-2 & -3, Audio)	Video	1Vp-p, 75Ω
	S/Video	Y: 1Vp-p Positive (negative sync provided, when terminated with 75Ω) C: 0.286Vp-p (burst signal, when terminated with 75Ω)
	Audio (L/R)	500mVrms (–4dBs), High impedance
Output	Video	1Vp-p, 75Ω
	Audio (L/R)	500mVrms (–4(syn) –4dBs), Low impedance, RCA × 2
Headphone Jack		Stereo mini jack (3.5ø)
Remote Control Unit		RM-C235-1C (Battery size : AA/R06/UM-3 × 2)

Design & specifications are subject to change without notice.

SPECIFIC SERVICE INSTRUCTIONS

SETTING OF SYSTEM CONSTANT SET (Page 9)

Table 1

Setting item	Setting contents	Setting value
1. COLOUR AUTO	→ YES → NO ┐	NO
2. COLOUR	→ MULTI. → TRIPLE → PAL ┐	MULTI
3. ECO SENSOR	→ YES → NO ┐	YES
4. BASS	→ YES-BB → YES-BB-SB → YES-SB ┐ NO-SB-OFF ← NO-SB-ON ← YES-BA ←	NO-SB-ON
5. VOL. LIMITER	→ YES → NO ┐	YES
6. TEXT	→ YES → NO ┐	NO
7. MSP	→ YES → NO → NO-A2 ┐	NO
8. LANGUAGE	→ E/R/A/F → E/A/F → E/A → E/F ┐	E/R/A/F
9. EW-PIN IC	→ YES → NO ┐	YES
10. B/B OFF MUTE	→ ON → OFF ┐	OFF
11. LED	→ 2 → 3 ┐	3
12. D/K NICAM	→ YES → NO ┐	NO
13. ALC	→ YES → NO ┐	YES
14. BBE	→ YES → NO ┐	NO

USER SETTING VALUES (Page 9)

Table 2

Setting item	Setting value	Setting item	Setting value
SUB POWER	ON	BASS	CENTER
CHANNEL POSITION	1 POSITION	BALANCE	CENTER
CHANNEL PRESET	Refer to OPERATING INSTRUCTIONS	VNR	OFF
		OFF TIMER	OFF
VOLUME	Appropriate sound volume	AUTO SHUTOFF	OFF
TV/VIDEO	TV	ECO SENSOR	OFF
ON SCREEN DISPLAY	POSITION NUMBER DISPLAY	LANGUAGE	ENGLISH
COLOUR SYSTEM	AUTO PAL	ALC	HIGH
SOUND SYSTEM	B / G	BLUE BACK	OFF
PICTURE MODE (VSM)	BRIGHT	ON TIMER	PR1 0:00
LIVE SPATIAL	OFF	CHILD LOCK	OFF
TREBLE	CENTER		

SERVICE ADJUSTMENTS

■ Initial Setting Value

■ IF CIRCUIT ADJUSTMENT -- Adjustment of DELAY POINT (Page 17)

Setting (Adjustment) item	Variable range	Initial setting value
DELAY POINT (AGC TAKE-OVER)	0 ~ 63	19

V/C (VIDEO/CHROMA) CIRCUIT ADJUSTMENT (Page 17)

[SUB MENU 2. V/C]

Setting item \ Colour system		Variable range	Initial setting value			
			PAL	SECAM	NTSC 3.58	NTSC 4.43
1. CUT OFF (R / G / B)		–128 ~ +127	0	←	←	←
2. DRIVE (R / B)		–128 ~ +127	0	←	←	←
3. BRIGHT		–128 ~ +127	+6	←	←	←
4. CONT.		–42 ~ +42	+3	←	←	←
5. COLOUR		–60 ~ +68	+21	+16	+19	0
6. TINT	TV / VIDEO	–64 ~ +63	———	———	+4 / –4	–4 / –4
7. BLACK OFFSET (R-Y / B-Y)		–8 ~ +7	———	+4 / +2	———	———
8. SHARP	TV / VIDEO	–32 ~ +31	–7 / +1	←	←	←
9. TEXT (RGB) CONT.		–128 ~ +77	+50	←	←	←
10. B.S.OFF		0 ~ +1	0	←	←	←
11. B.S.POINT		0 ~ +7	+5	←	←	←
12. DC TRAN RATE		0 ~ +7	+3	←	←	←
13. APA-CON FO/SW		0 ~ +3	+1	←	←	←
14. VSM PHASE		0 ~ +3	+2	←	←	←
15. VSM GAIN		0 ~ +3	+1	←	←	←
16. CLL SW		0 ~ +1	+1	←	←	←
17. CLL LEVEL		0 ~ +3	+2	←	←	←
18. ABL POINT		0 ~ +7	+2	←	←	←
19. ABL GAIN		0 ~ +7	+2	←	←	←
20. Y-DL (TV / VIDEO / S)		0 ~ +7	+2 / +4 / +2	+3 / +3 / +2	+4 / +4 / +2	←
21. P.ACL SW		0 ~ +1	+1	←	←	←
22. WPL SW		0 ~ +1	0	←	←	←
23. Y GAMMA		0 ~ +1	0	←	←	←

[ ] : Do not adjust.

Adjustment of SUB COLOUR-II (Page 20)

Adjustment part	Description
5. COLOUR	
PAL COLOUR	Value **(A)** in the figure: Set to **+13V (W & G)**.
SECAM COLOUR	Value **(A)** in the figure: Set to **+11V (W & G)**.
NTSC 3.58 COLOUR	Value **(A)** in the figure: Set to **+11V (W & G)**.

Adjustment of SUB TINT-II (Page 21)

Adjustment part	Description
6. TINT	
NTSC 3.58 TINT	Value **(B)** in the figure: Set to **+8V (W & Cy)**.

■ DEFLECTION CIRCUIT ADJUSTMENT (Page 23)

[SUB MENU 4. DEF]

Setting item	Adjustment name	Variable range	Initial setting value	
			50Hz	60Hz
1. TRAPEZ	Trapezoidal distortion correction	–32 ~ +31	–8	–1
2. V-SHIFT	Vertical center	–32 ~ +31	0	+5
3. V-SIZE	Vertical height	–64 ~ +63	–10	0
4. H-CENT	Horizontal center	–16 ~ +15	–13	–10
5. H-SIZE	Horizontal width	–64 ~ +63	+17	0
6. EW-PIN	Side pin correction	–64 ~ +63	–15	–1
7. V-S. CR	Vertical height correction	–64 ~ +63	0	+1
8. V-EDGE	Vertical edge correction	–64 ~ +63	+2	–1
9. EW-COR	Side pin fore correction	–64 ~ +63	–6	–1
10. V-LINE	Vertical linearity	–16 ~ +15	0	+3
11. H-COMP	Horizontal compensation	0 ~ +15	0	0

[ ] : Do not adjust.

■ VSM PRESET ADJUSTMENT (Page 27)

[Setting Values for SUB MENU 5. VSM PRESET]

VSM preset mode / VSM Setting item	BRIGHT	STANDARD	SOFT
1. TINT SETTING VALUE	0	←	←
2. COLOUR SETTING VALUE	0	←	←
3. BRIGHT SETTING VALUE	0	←	←
4. CONT. SETTING VALUE	+15	+4	–4
5. SHARP SETTING VALUE	0	←	–3

[ ] : **Do not adjust.**

■ CENTER ADJUSTMENT (Page 27)

● Do not adjust **6. CENTER** (TREBLE, BASS) in the SERVICE MENU as it requires no adjustment.

[SUB MENU 6. CENTER]

Setting item	Initial setting value (fixed)
TREBLE	+2
BASS	0

[ ] : **Do not adjust.**

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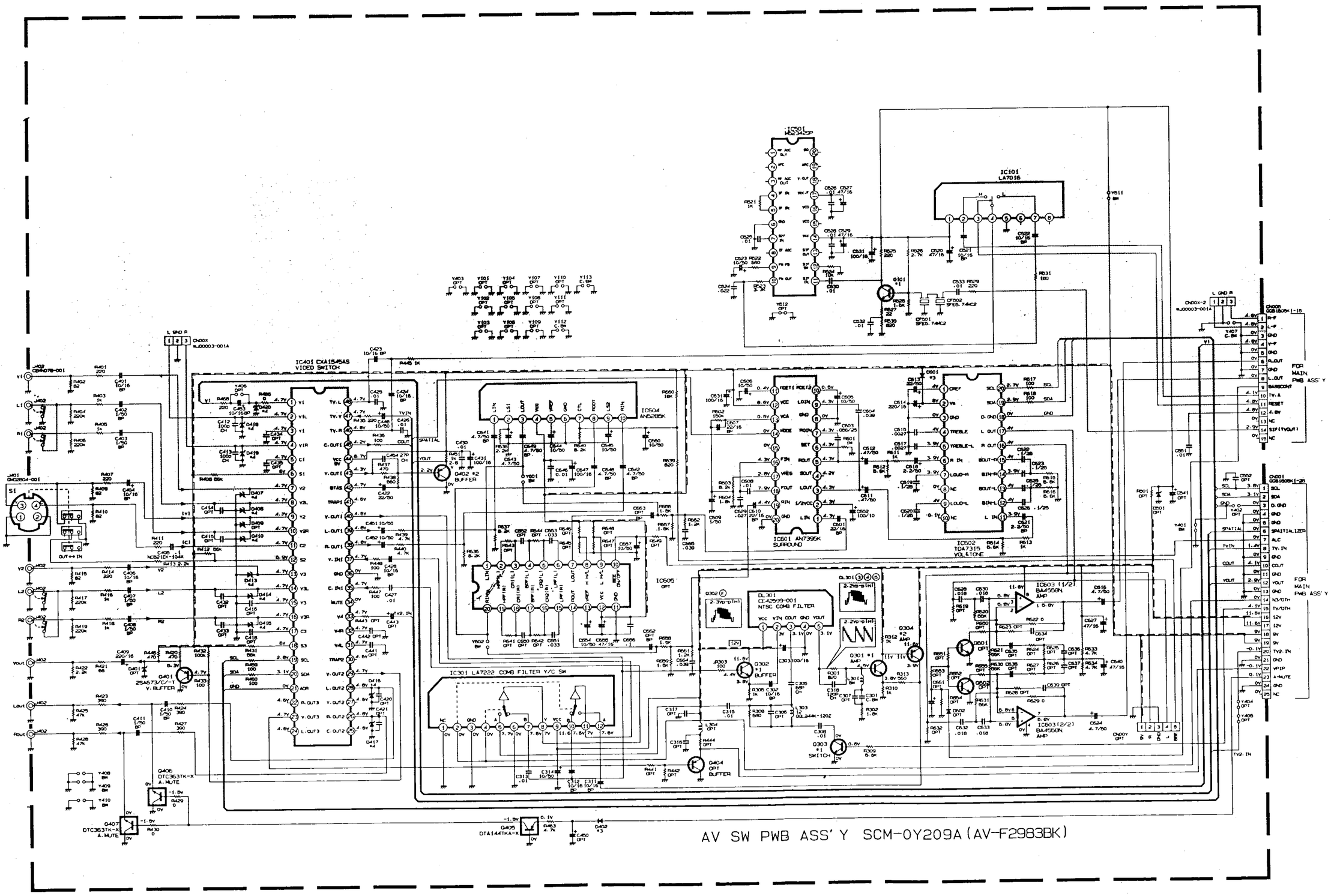
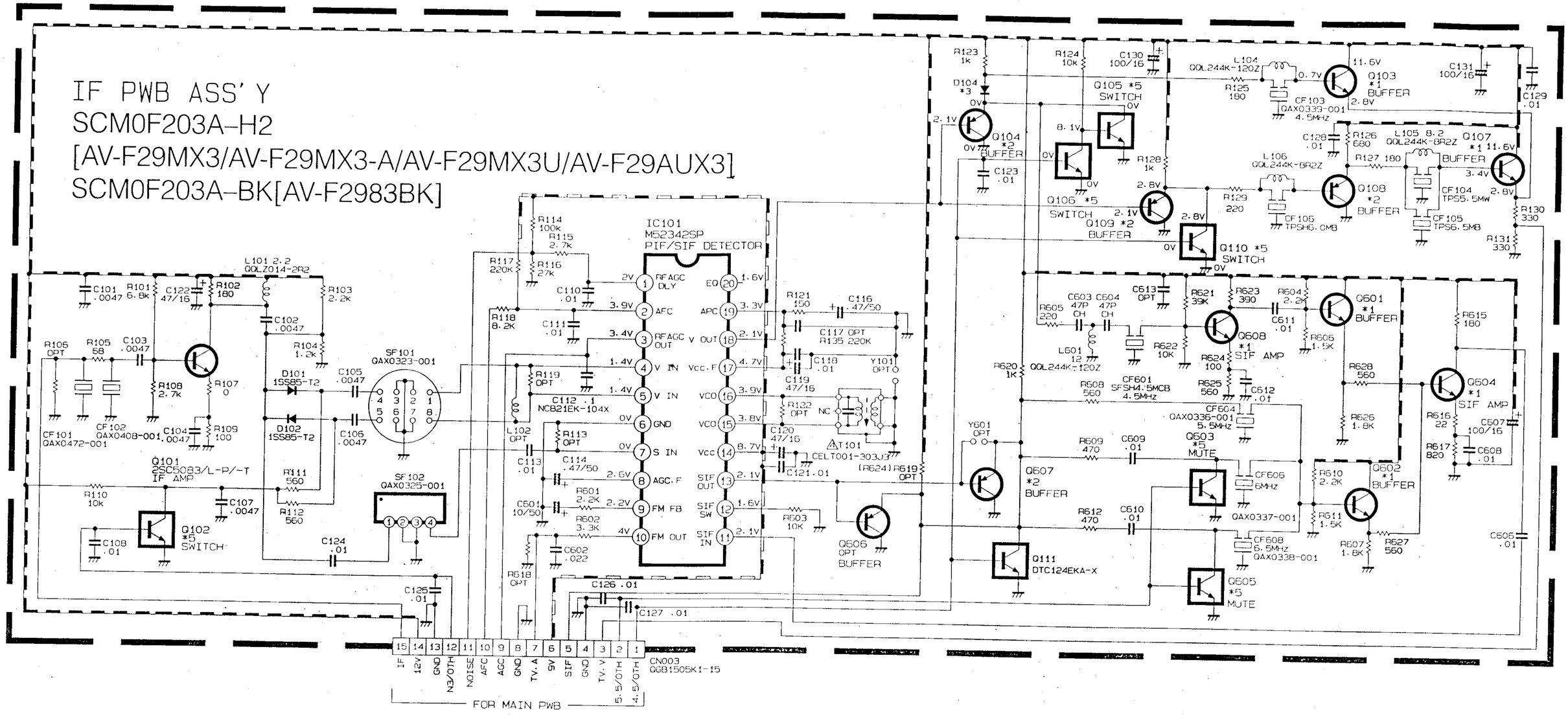
AV SW PWB CIRCUIT DIAGRAM [AV-F2983BK]

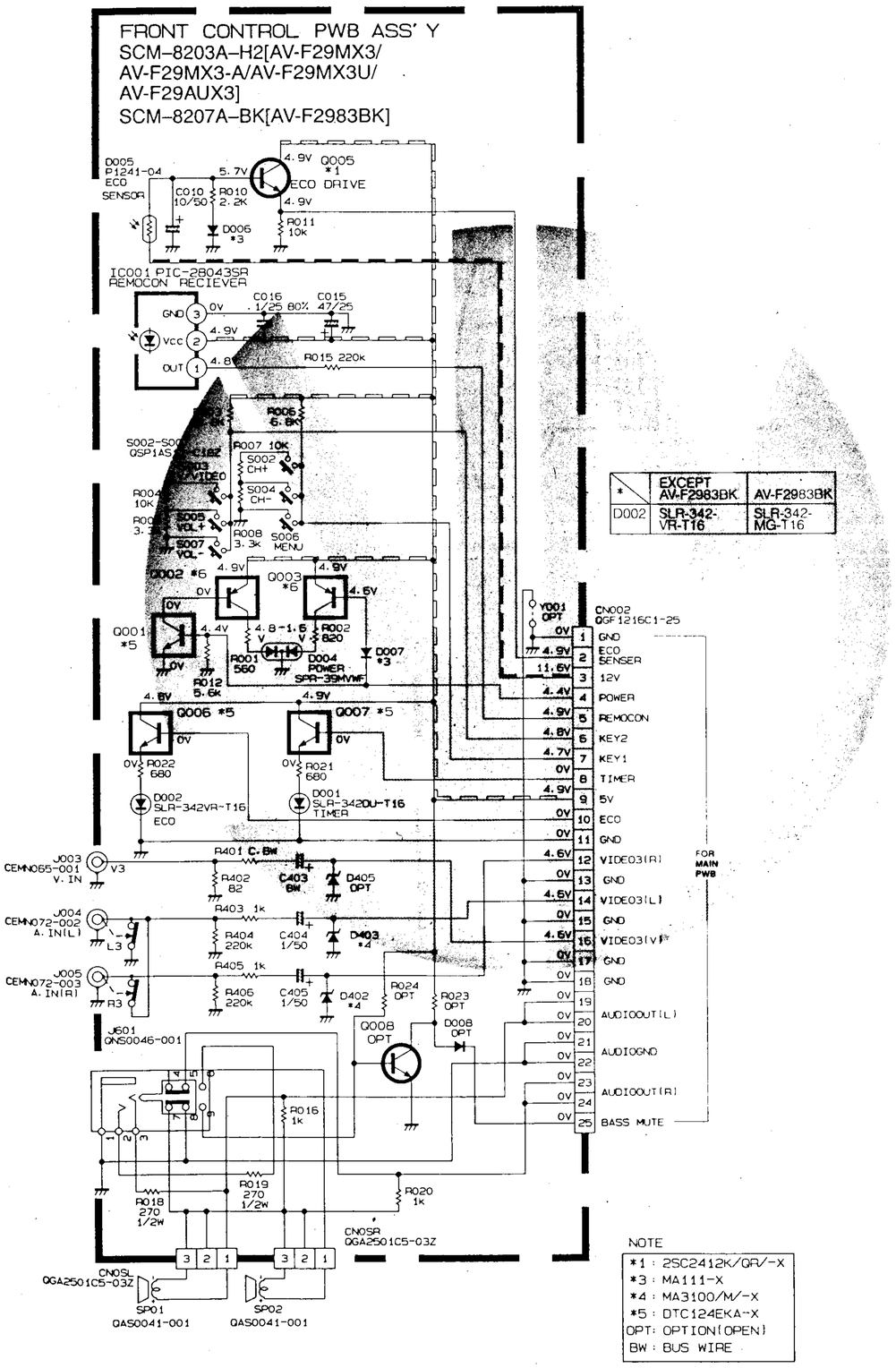


IF PWB CIRCUIT DIAGRAM

IF PWB ASS'Y
SCM0F203A-H2
[AV-F29MX3/AV-F29MX3-A/AV-F29MX3U/AV-F29AUX3]
SCM0F203A-BK[AV-F2983BK]



FRONT CONTROL PWB CIRCUIT DIAGRAM



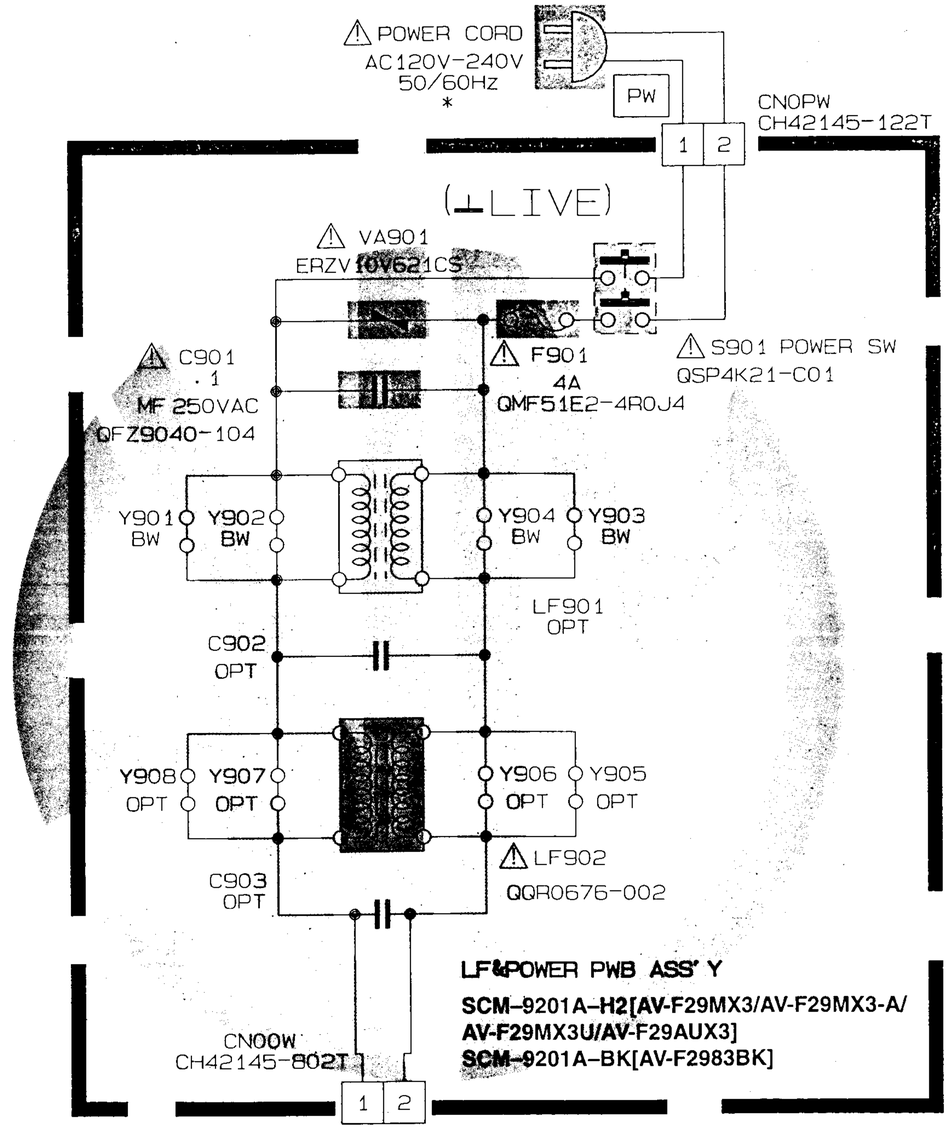
*	EXCEPT AV-F2983BK	AV-F2983BK
D002	SLR-342-VR-T16	SLR-342-MG-T16

NOTE

*1 : 2SC2412K/QR/-X
*3 : MA111-X
*4 : MA3100/M/-X
*5 : DTC124EKA-X
OPT: OPTION(OPEN)
BW : BUS WIRE

AV-F29MX3 AV-F29MX3U
AV-F29AUX3 AV-F2983BK

LF & POWER PWB CIRCUIT DIAGRAM

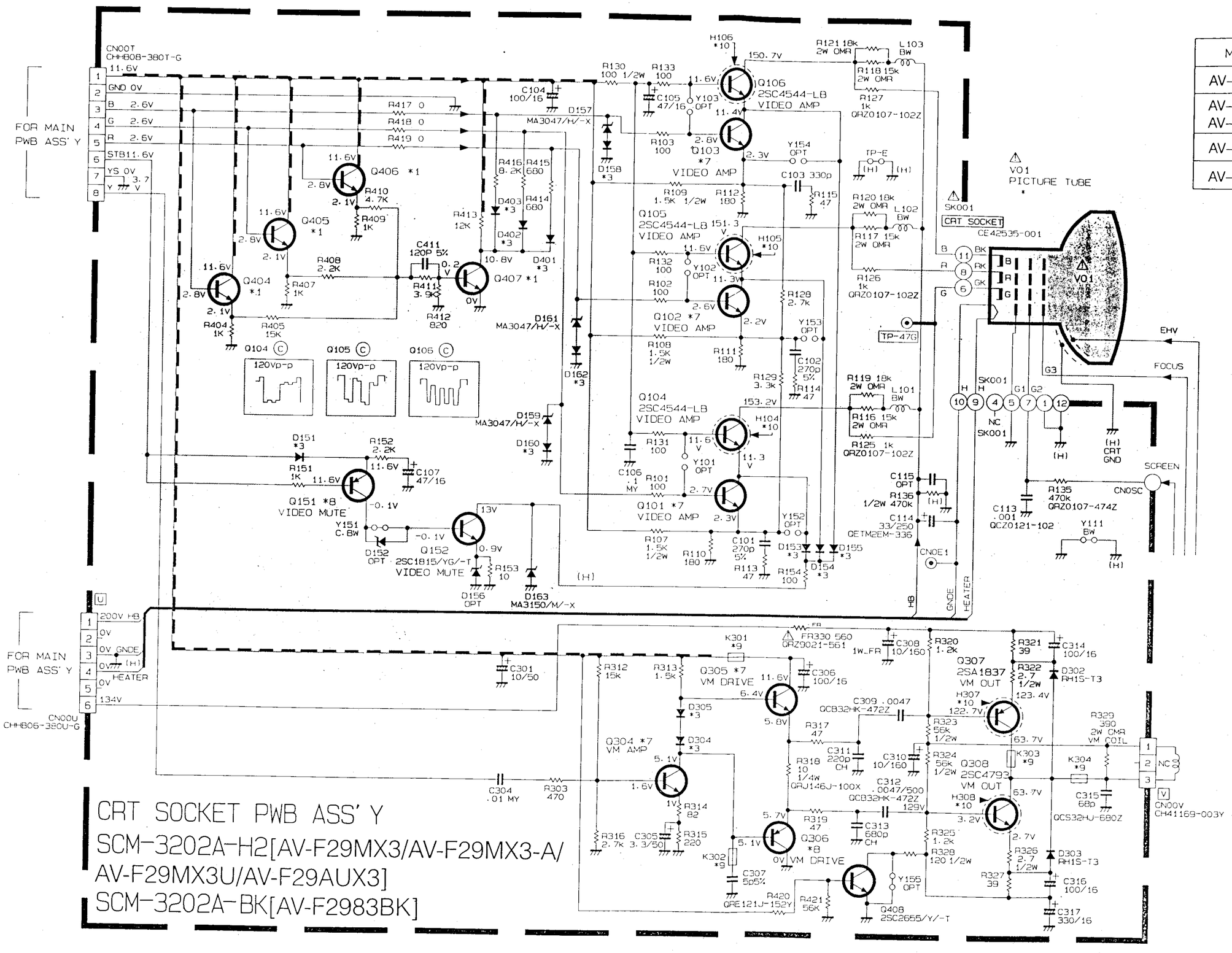


DIFFERENCE LIST

MODEL	POWER CORD
AV-F29MX3 AV-F29MX3U	QMP40D0-200J5 OR QMP40D0-200J3
AV-F29AUX3	QMP2980-185J5
AV-F2983BK AV-F29MX3-A	QMPR010-200-E2 OR QMPR010-200-K2

AV-F29MX3 AV-F29MX3U
AV-F29AUX3 AV-F2983BK

CRT SOCKET PWB CIRCUIT DIAGRAM



DIFFERENCE LIST

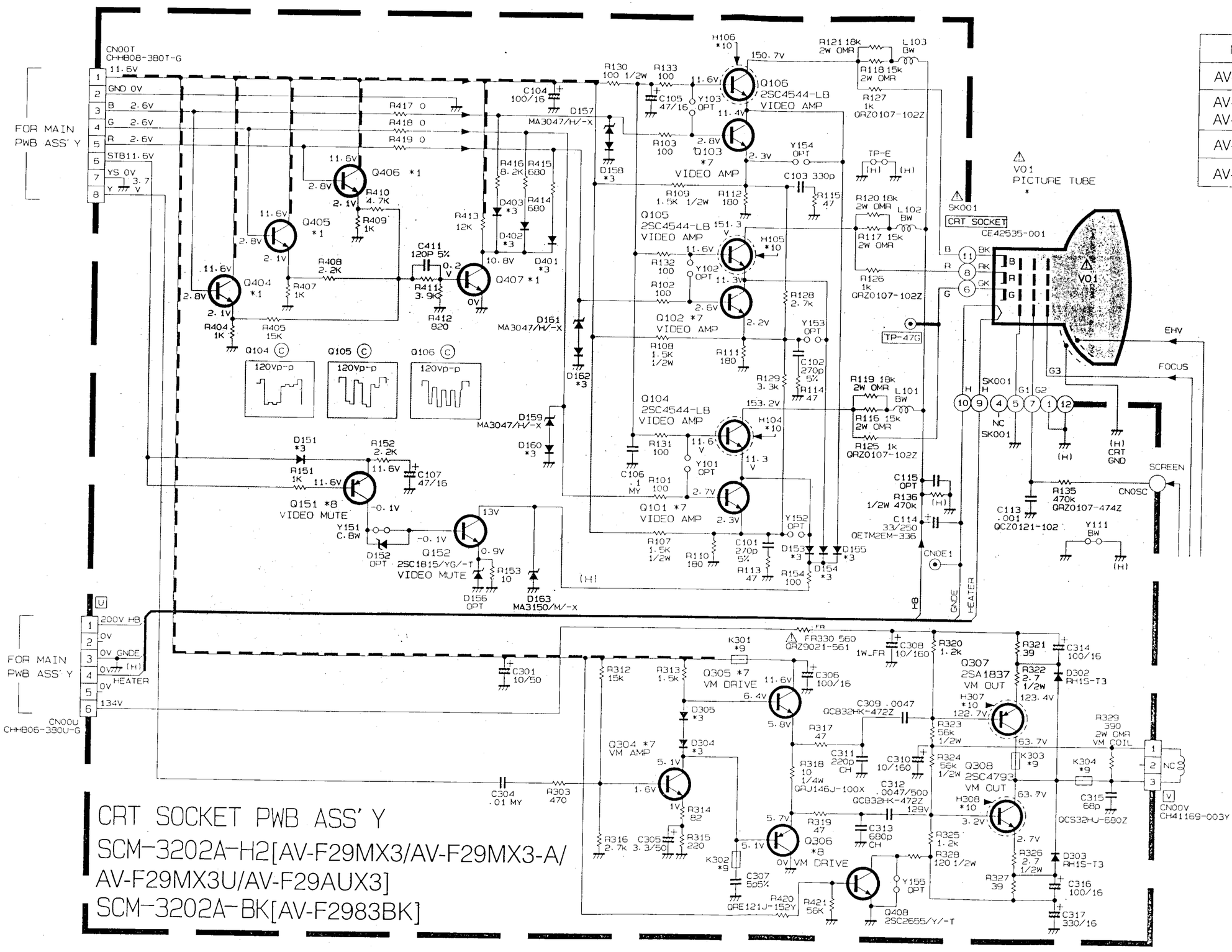
MODEL	CRT NO.
AV-F29MX3U	A68KVL74X01/DT/
AV-F29MX3 AV-F29MX3-A	A68KVL74X02/DT/
AV-F2983BK	A68KVL74X03/DT/
AV-F29AUX3	A68KVL74X04/DT/

NOTE

*1	: 2SC2412K/QR/-X
*3	: MA111-X
*7	: 2SC1740S/QR/-T
*8	: 2SA933AS/QR/-T
*10	: CEHP00N-0010
OPT	: OPTION(OPEN)
⏚	: LOW B GND
⏚ (H)	: HIGH B GND
BW	: BUS WIRE

AV-F29MX3 AV-F29MX3U
AV-F29AUX3 AV-F2983BK

CRT SOCKET PWB CIRCUIT DIAGRAM



DIFFERENCE LIST

MODEL	CRT NO.
AV-F29MX3U	A68KVL74X01/DT/
AV-F29MX3 AV-F29MX3-A	A68KVL74X02/DT/
AV-F2983BK	A68KVL74X03/DT/
AV-F29AUX3	A68KVL74X04/DT/

NOTE

*1	: 2SC2412K/QR/-X
*3	: MA111-X
*7	: 2SC1740S/QR/-T
*8	: 2SA933AS/QR/-T
*10	: CEHP00N-0010
OPT	: OPTION(OPEN)
⏚	: LOW B GND
(H)	: HIGH B GND
BW	: BUS WIRE

AV-F29MX3 AV-F29MX3U
AV-F29AUX3 AV-F2983BK

PATTERN DIAGRAMS

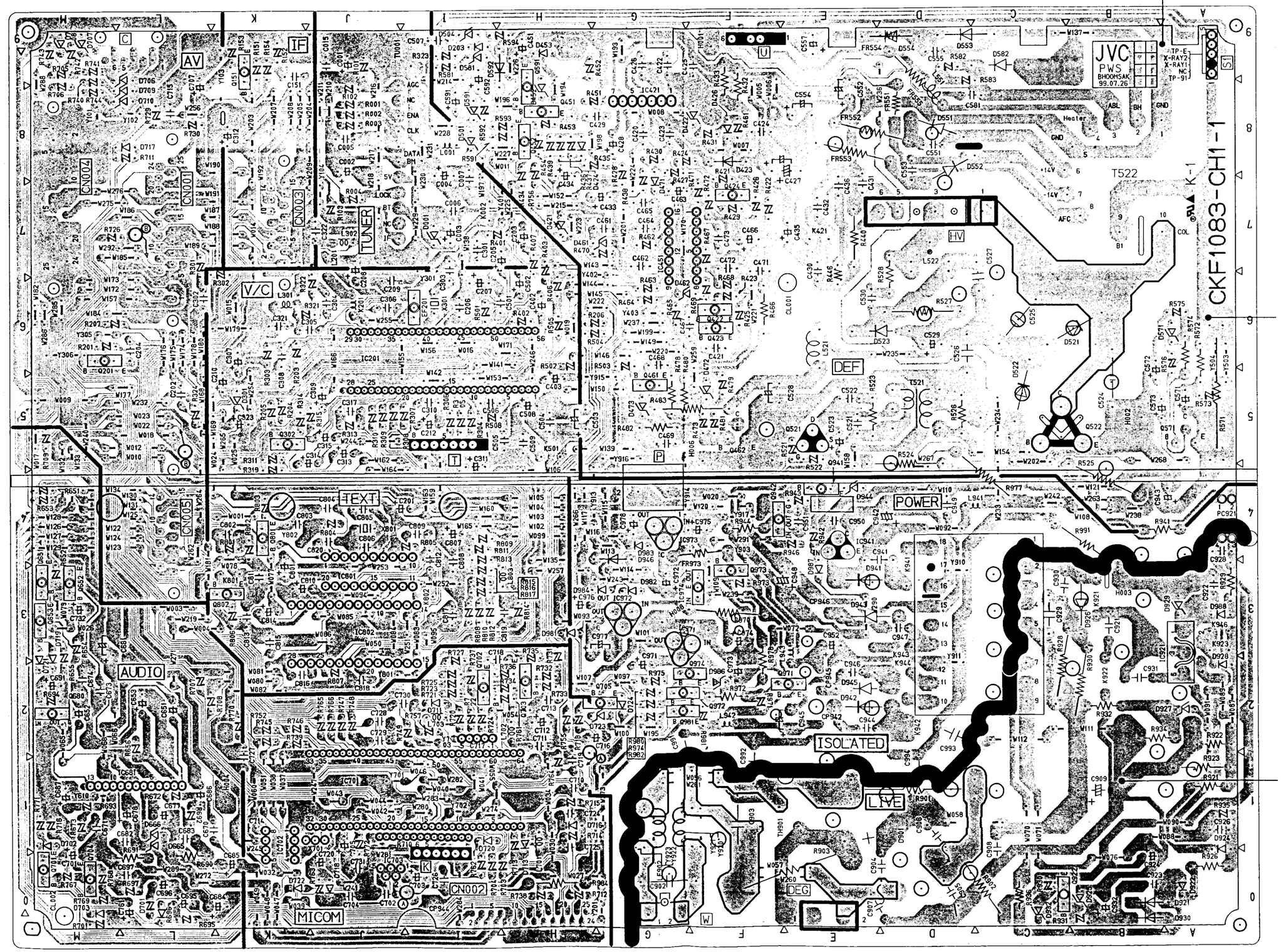
MAIN PWB PATTERN

(⏚) TP-E

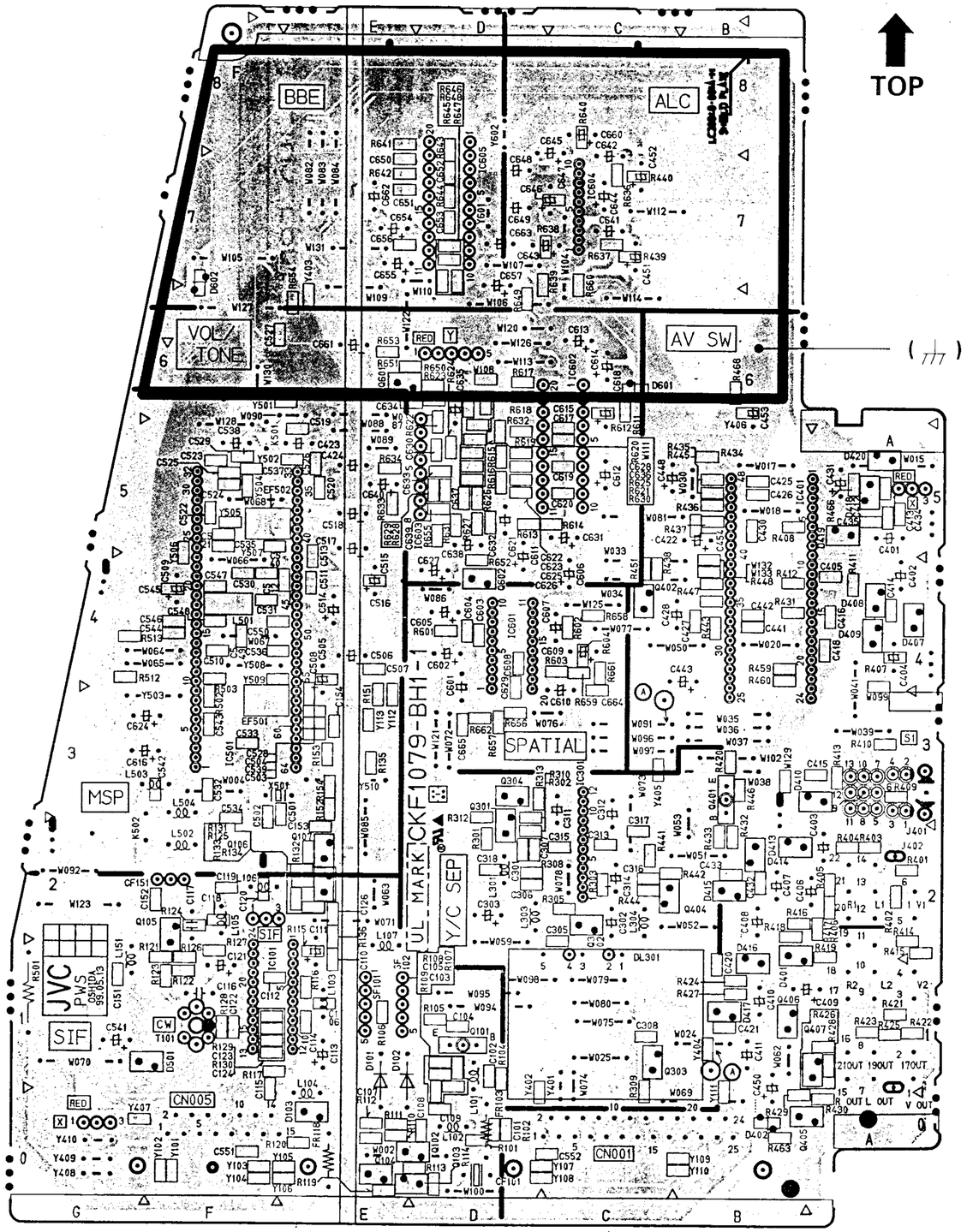
TP-91
(B1)

(⊥)

FRONT

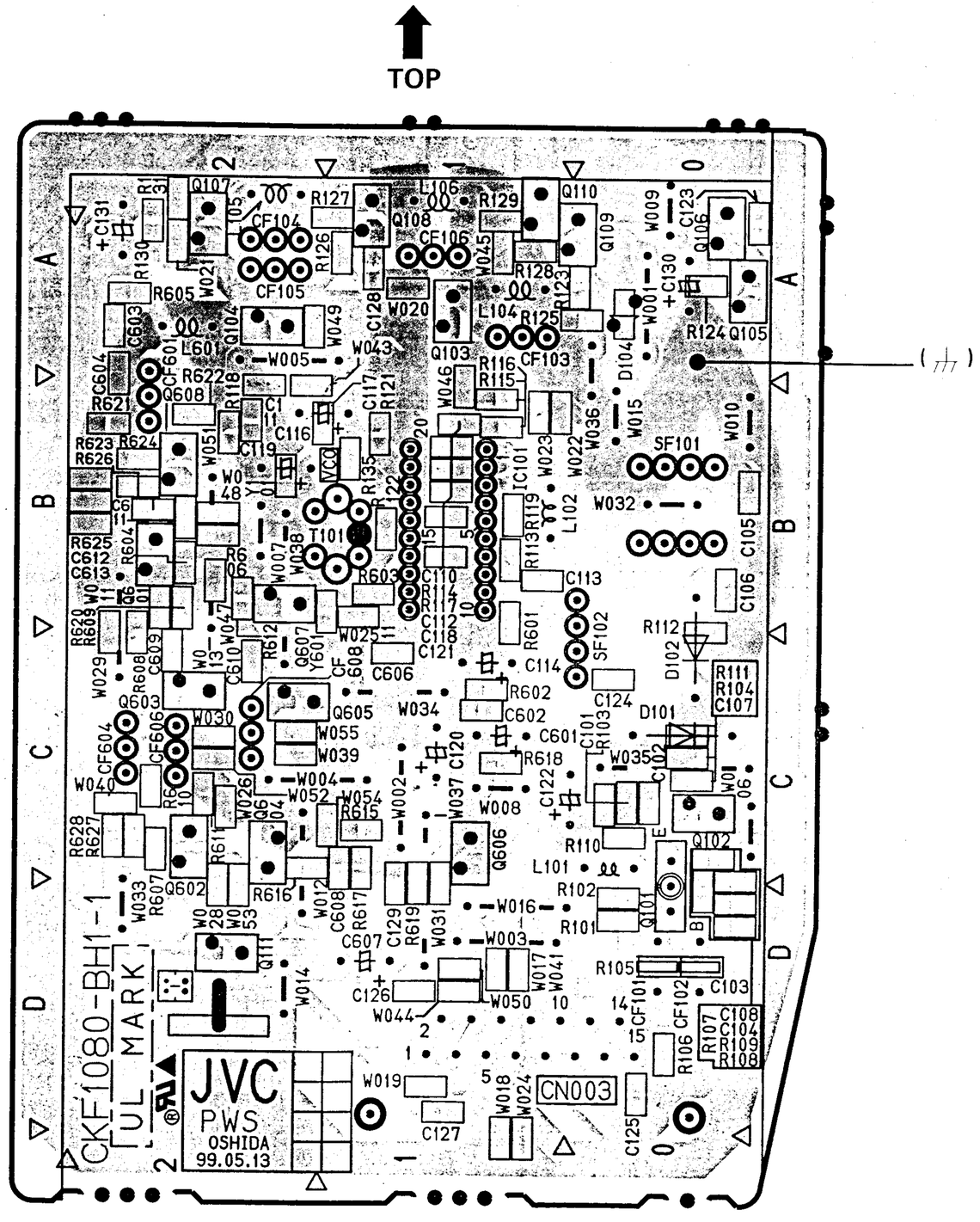


AV SW PWB PATTERN

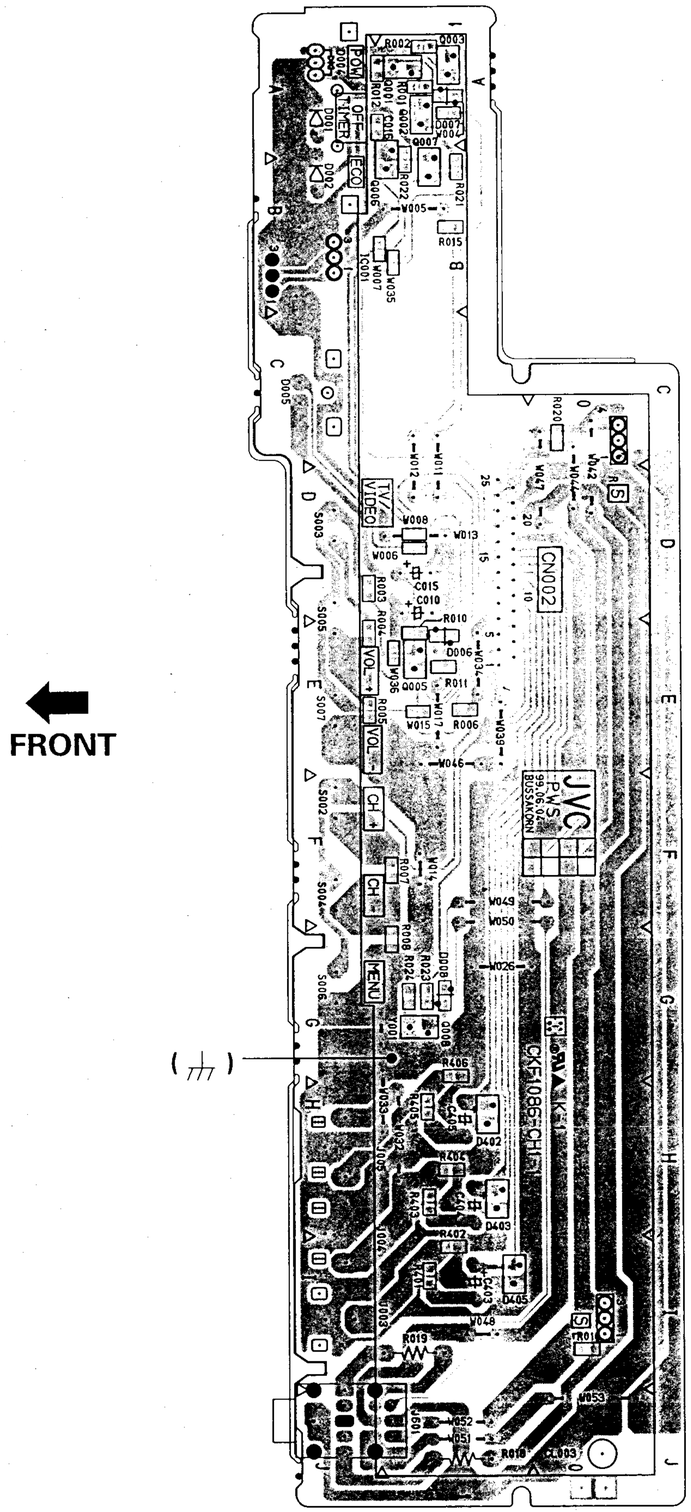


AV-F29MX3 AV-F29MX3U
AV-F29AUX3 AV-F2983BK

IF PWB PATTERN

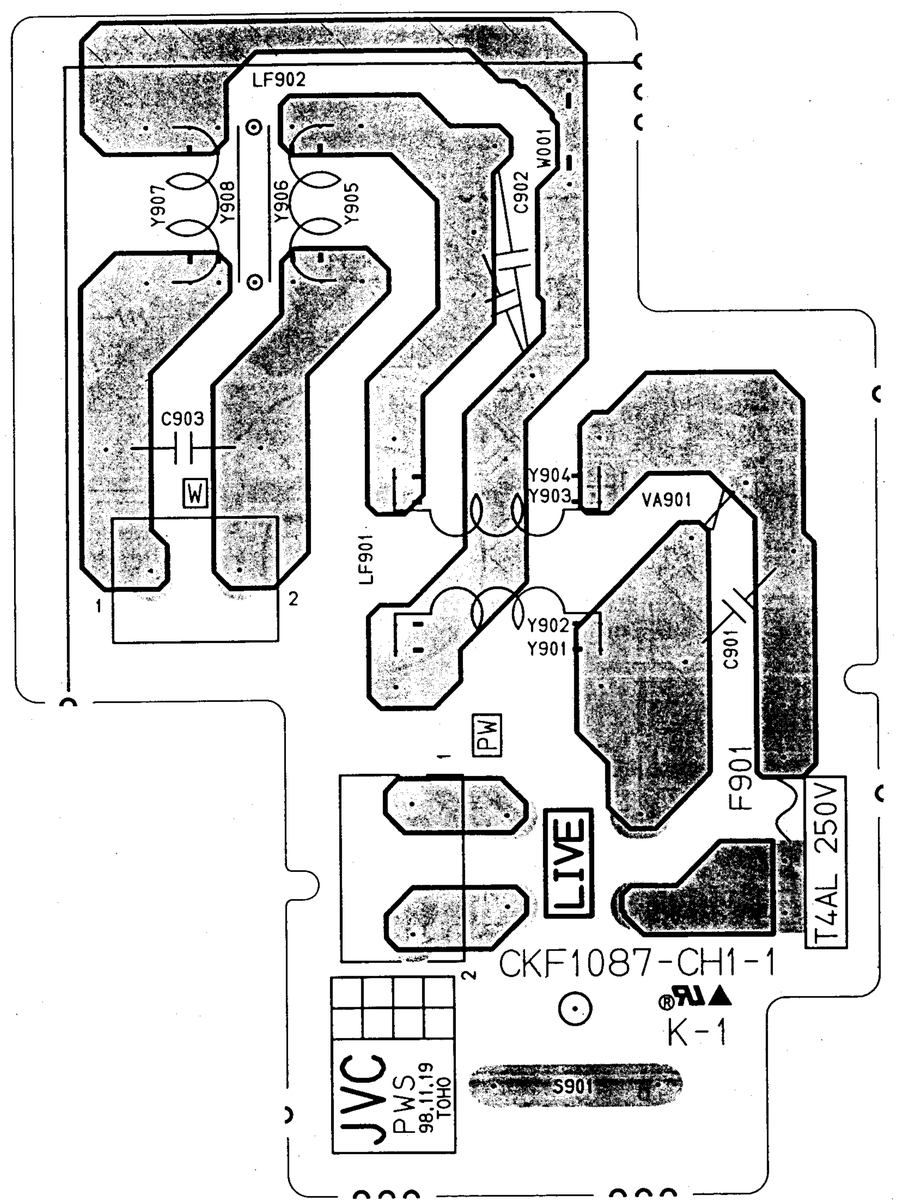


FRONT CONTROL PWB PATTERN



AV-F29MX3 AV-F29MX3U
AV-F29AUX3 AV-F2983BK

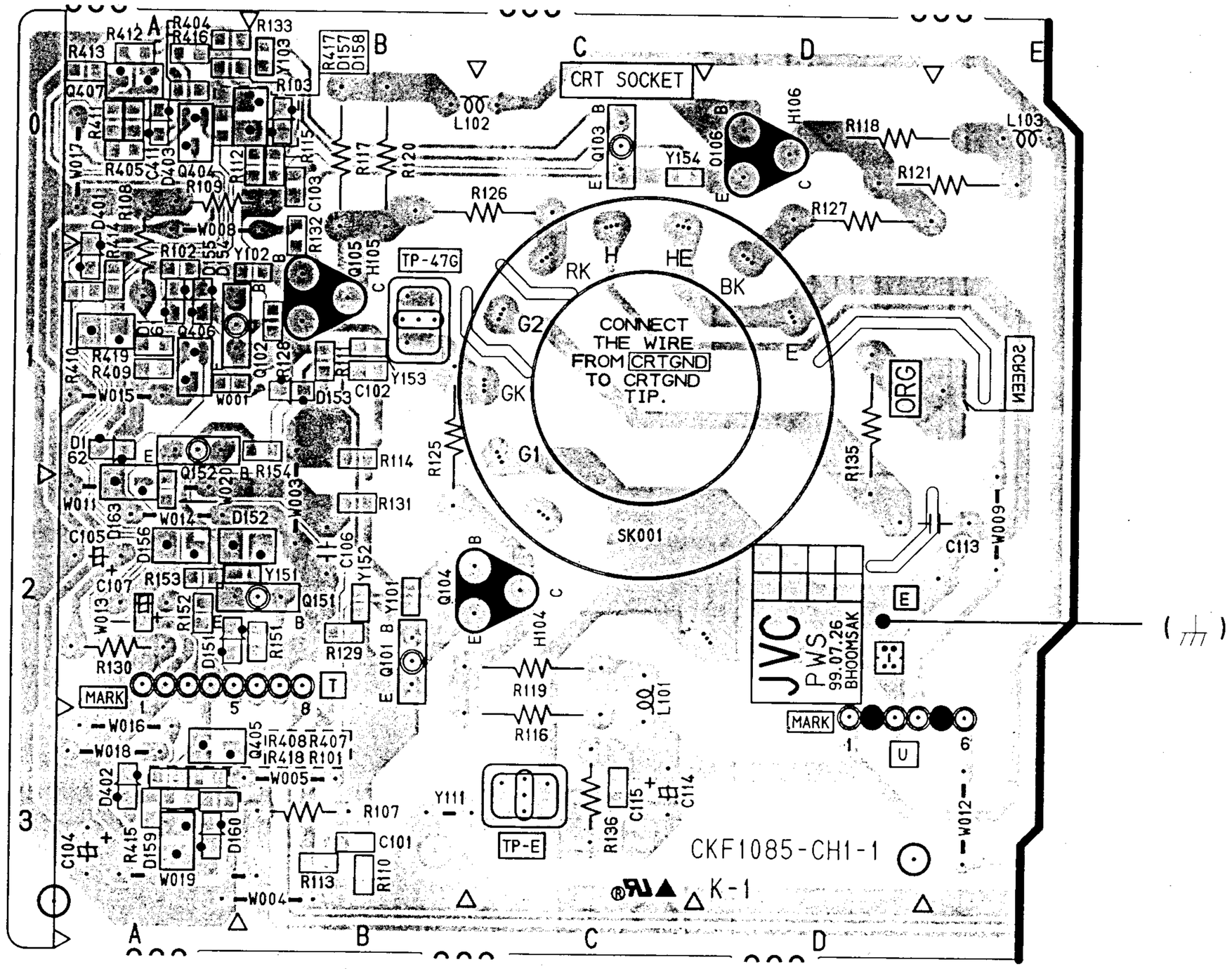
LF & POWER PWB PATTERN

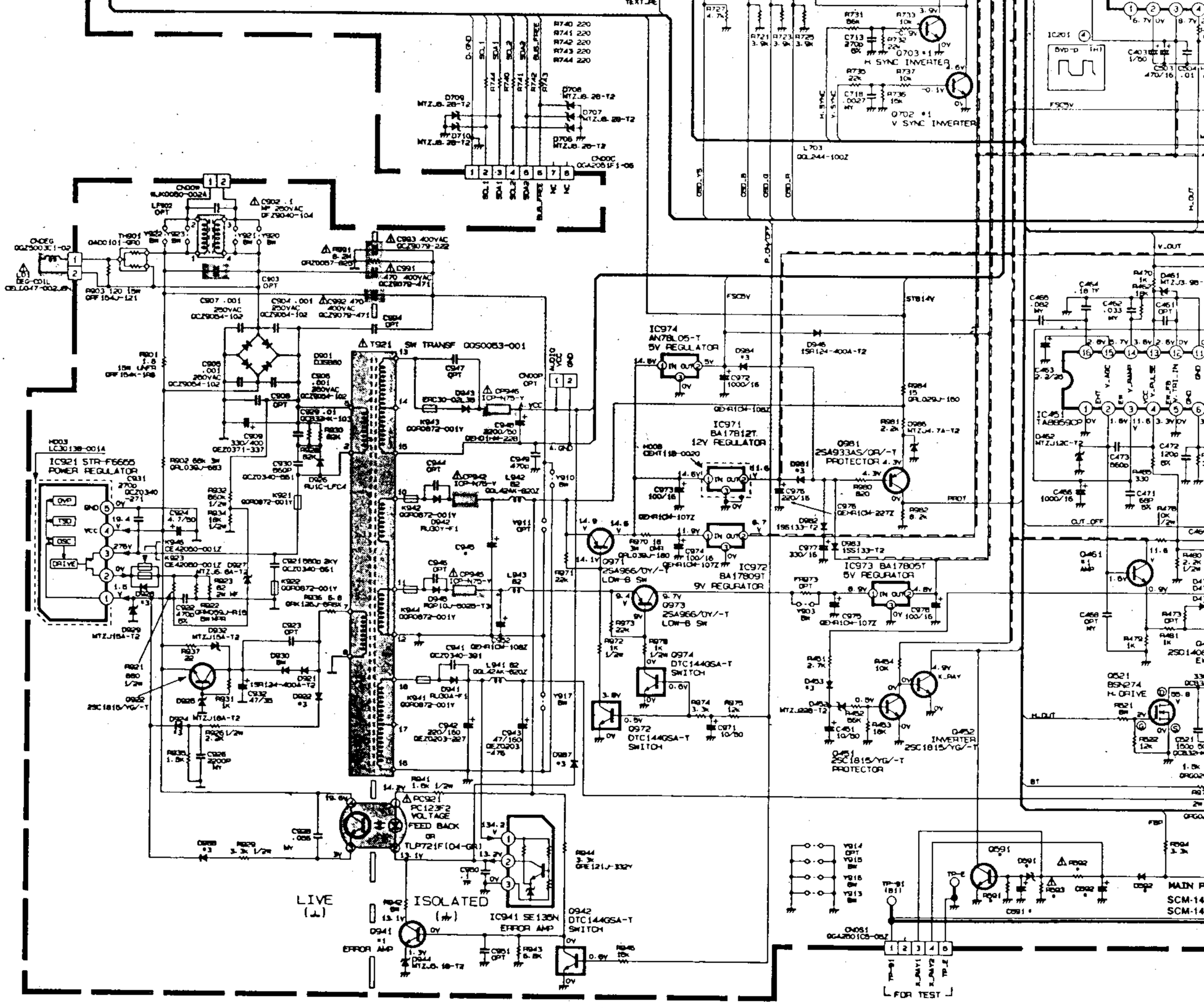


AV-F29MX3 AV-F29MX3U
AV-F29AUX3 AV-F2983BK

CRT SOCKET PWB PATTERN

TOP




IC974
AN78L05-T
5V REGULATOR
IC971
BA178127
12V REGULATOR
Q981
2SA933AS/QR/-T
PROTECTOR
IC972
BA178097
9V REGULATOR
IC973 BA178057
5V REGULATOR
IC921 STR-F6665
POWER REGULATOR
T921 SW TRANSF 00S00053-001
PC921
PC123F2
VOLTAGE
FEED BACK
OR
TLP721F(04-GR)
IC941 SE135N
ERROR AMP
Q941
ERROR AMP
Q942
DTC144GSA-T
SWITCH
Q973
2SA966/QY/-T
LOW-B SW
Q974
DTC144GSA-T
SWITCH
Q972
DTC144GSA-T
SWITCH
Q703 *1
H SYNC INVERTER
Q702 *1
V SYNC INVERTER
Q521
BSN274
H DRIVE
Q452
INVERTER
2SC1815/YG/-T
Q451
2SC1815/YG/-T
PROTECTOR
LIVE
ISOLATED
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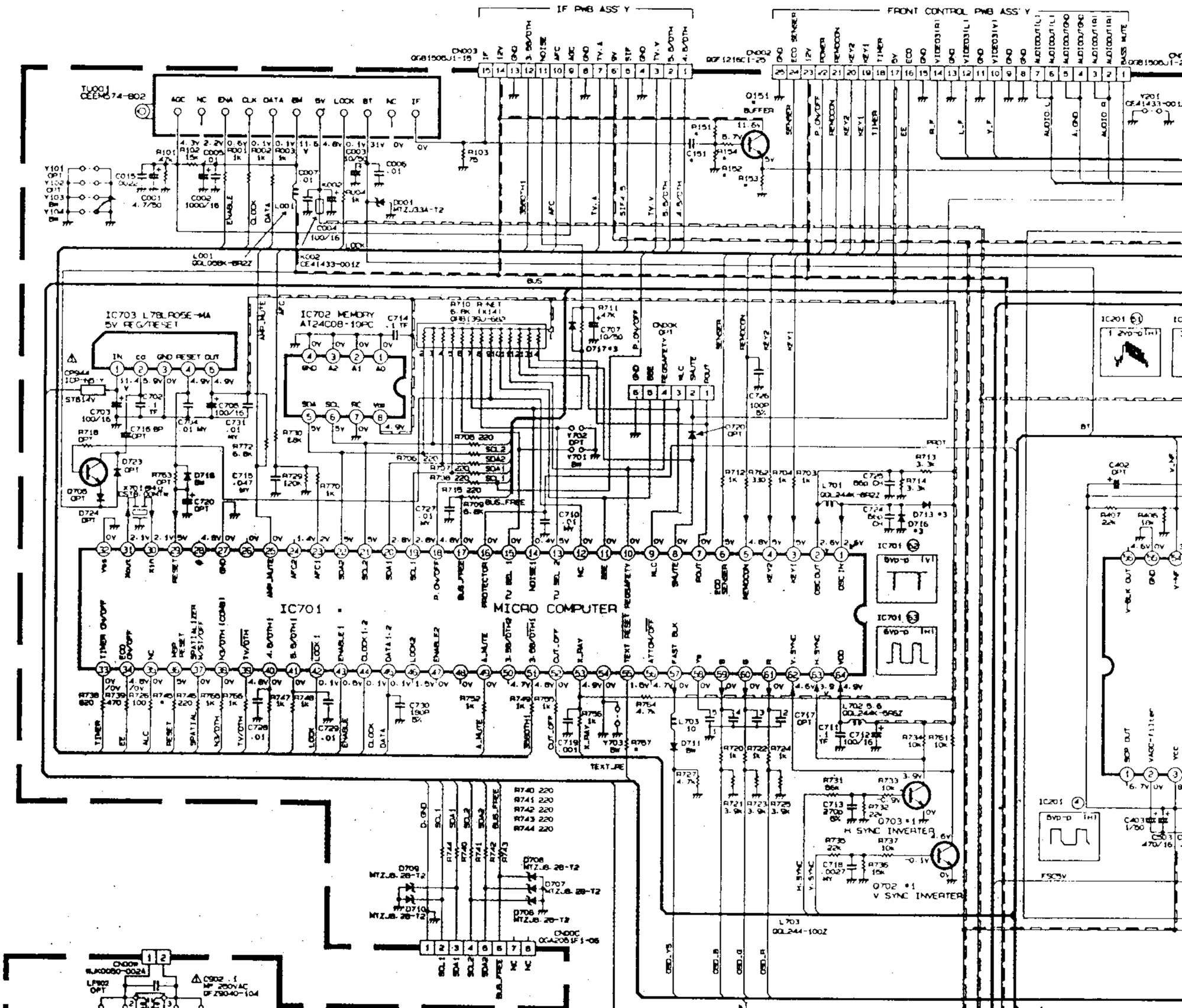
CIRCUIT DIAGRAMS *MAIN PWB CIRCUIT DIAGRAM [AV-F29MX3 / AV-F29MX3-A / AV-F2*



IC201 ④ 8Vp-p (H)

IC201 ⑭ 3.6Vp-p (H)

IC421 ① 2.5Vp-p (V)

IC421 ② 85Vp-p (V)

IC421 ③ 34Vp-p (V)

IC421 ④ 1.8Vp-p (V)

IC421 ⑧ 1.8Vp-p (V)

IC421 ⑦ 34Vp-p (V)

T522 ② 250Vp-p (H)

T522 ④ 32Vp-p (H)

T522 ⑥ 135Vp-p (H)

T522 ⑦ 140Vp-p (H)

T522 ⑧ 62Vp-p (H)

D521 ⓓ 120Vp-p (H)

D521 ⓖ 8Vp-p (H)

D522 ⓑ 2Vp-p (H)

IC801 DATA SLICER

Q801 BUFFER

Y801

CRT SOCKET PWB

CN001 09A801C8-08

CRT SOCKET PWB

CN000 09A801C8-06Z

DEF. YOKE

CN004 09Z003C1-05

IC421 LA7840 VERT. OUT

IC451 TA8859CP

Q571 2SA949/Y/Z1 PROTECTOR

Q591

Q521 2SD1406/DY/-LB E-W OUT

Q522 2SD2578-YD H. OUT

Q461 BSN274 H. DRIVE

Q423 SWITCH

Q424 SWITCH

MAIN PWB ASS'Y

SCM-1401A-H2[AV-F29MX3/AV-F29MX3-A]

SCM-1409A-H2[AV-F29MX3U]

NOTE

*1 : 2SC1740S/DR/-T

*2 : 2SA933AS/DR/-T

*3 : 1SS133-T2

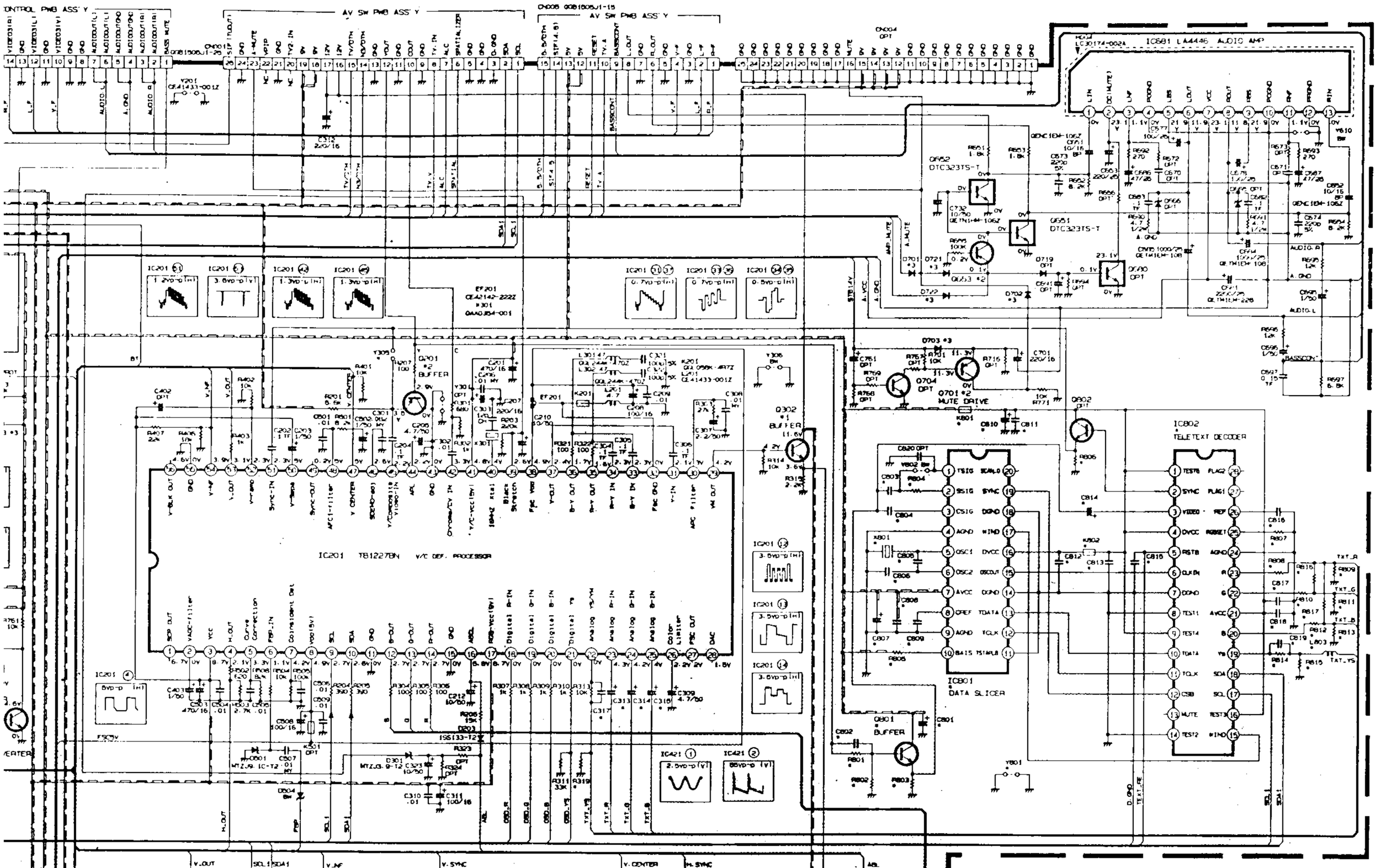
OPT: OPTION(OPEN)

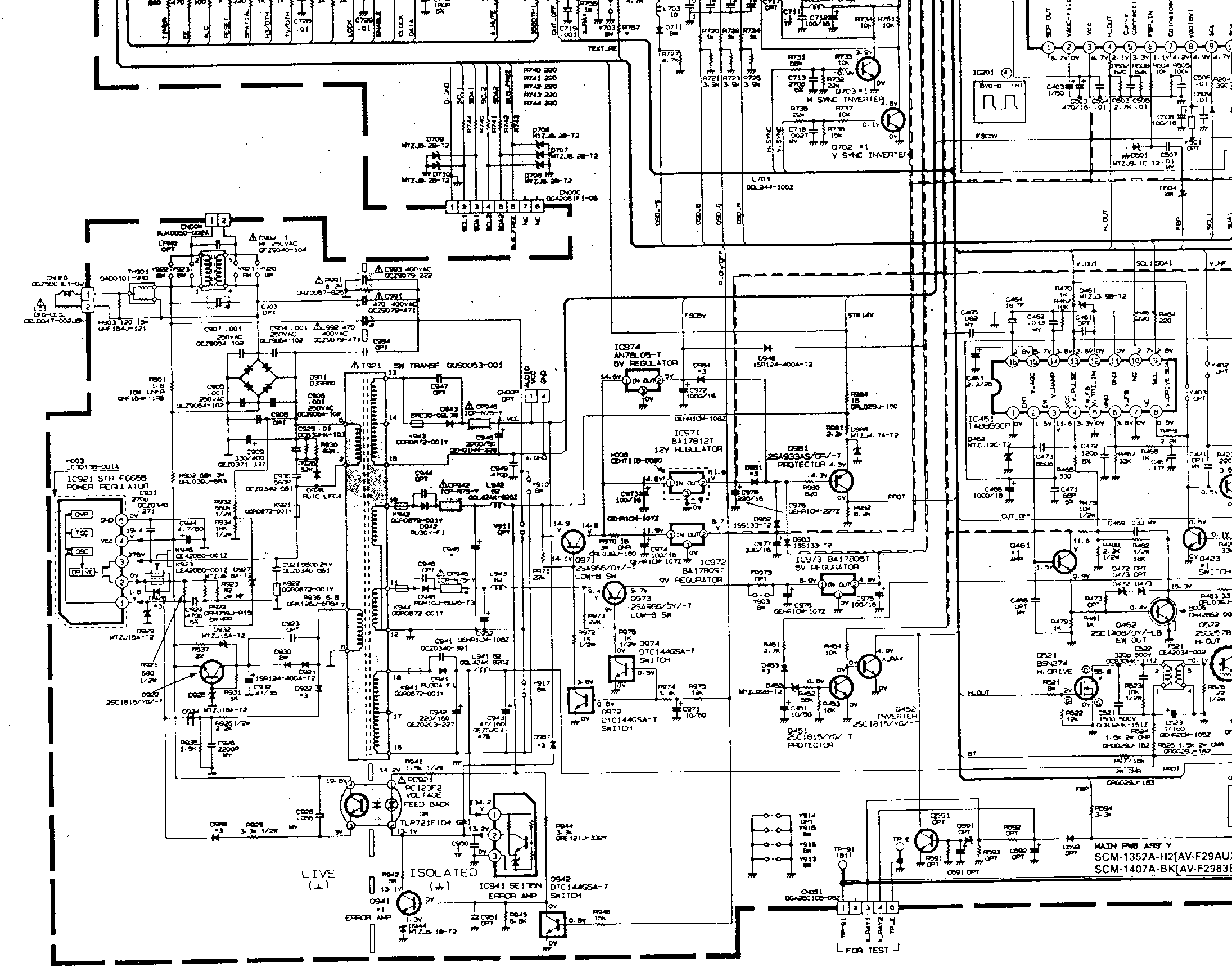
BW : BUS WIRE

DIFFERENCE LIST (*PARTS)

*	AV-F29MX3-A AV-F29MX3 SCM-1401A	AV-F29MX3U SCM-1409A	*	AV-F29MX3-A AV-F29MX3 SCM-1401A	AV-F29MX3U SCM-1409A
Q151	OPT	OPT	IC801	OPT	OPT
C151	OPT	OPT	IC802	OPT	OPT
R151	OPT	OPT	Q801	OPT	OPT
R152	OPT	OPT	Q802	OPT	OPT
R153	OPT	OPT	Q803	OPT	OPT
R154	OPT	OPT	Q804	OPT	OPT
C313	OPTC1HU -103Z	OPTC1HU -103Z	Q805	OPT	OPT
C314	OPTC1HU -103Z	OPTC1HU -103Z	Q806	OPT	OPT
C316	OPTC1HU -103Z	OPTC1HU -103Z	Q807	OPT	OPT
C317	OPT	OPT	Q808	OPT	OPT
R319	BW	BW	C810	OPT	OPT
Y306	BW	BW	C811	OPT	OPT
R757	OPT	OPT	C812	OPT	OPT
R745	OPT	OPT	C813	OPT	OPT
			C814	OPT	OPT
IC701	M37204M4 -043SP	M37204M4 -043SP	C815	OPT	OPT
			C816	OPT	OPT
D691	OPT	MTZJ7.5 -T2	C817	OPT	OPT
D692	OPT	1SR124-400A-T2	C818	OPT	OPT
D691	OPT	2SC2786 /JAV-T	R801	OPT	OPT
R691	OPT	27K	R802	OPT	OPT
R692	OPT	DRA140F -8451Y	R803	OPT	OPT
R693	OPT	DRA140F -1521Y	R804	OPT	OPT
C691	OPT	QETH1AM -227Z	R805	OPT	OPT
C692	OPT	QETH2AM -1062	R806	OPT	OPT
C434	330/16	330/16	R807	OPT	OPT
C945	QETH1EM -1062	QETH1EM -1062	R808	OPT	OPT
			R809	BW	BW
			R810	OPT	OPT
			R811	BW	BW
			R812	OPT	OPT
			R813	BW	BW
			R814	OPT	OPT
			R815	OPT	OPT
			R816	OPT	OPT
			R817	OPT	OPT
			X801	OPT	OPT
			X802	OPT	OPT
			L803	OPT	OPT
			X801	OPT	OPT

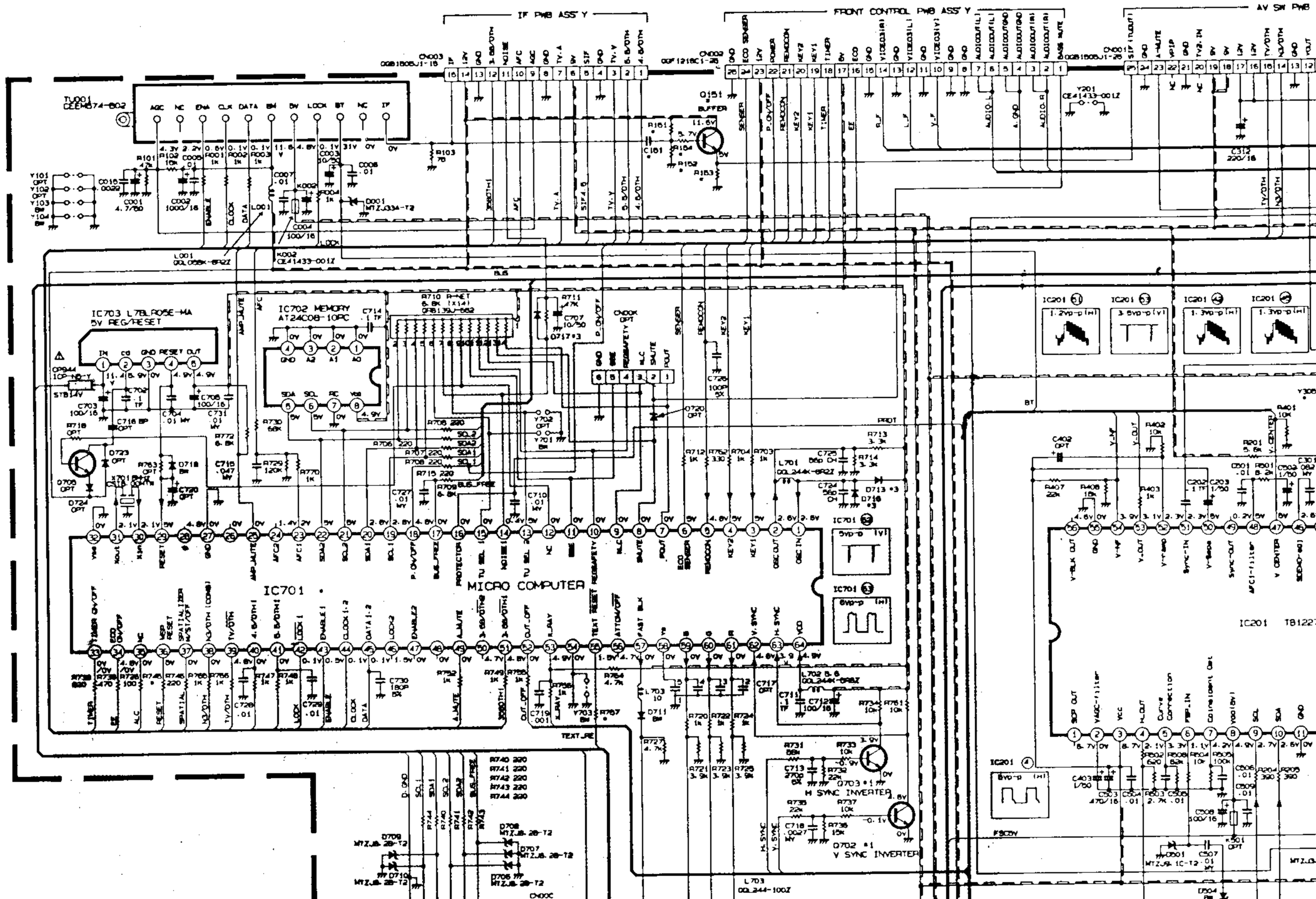
V-F29MX3-A / AV-F29MX3U]

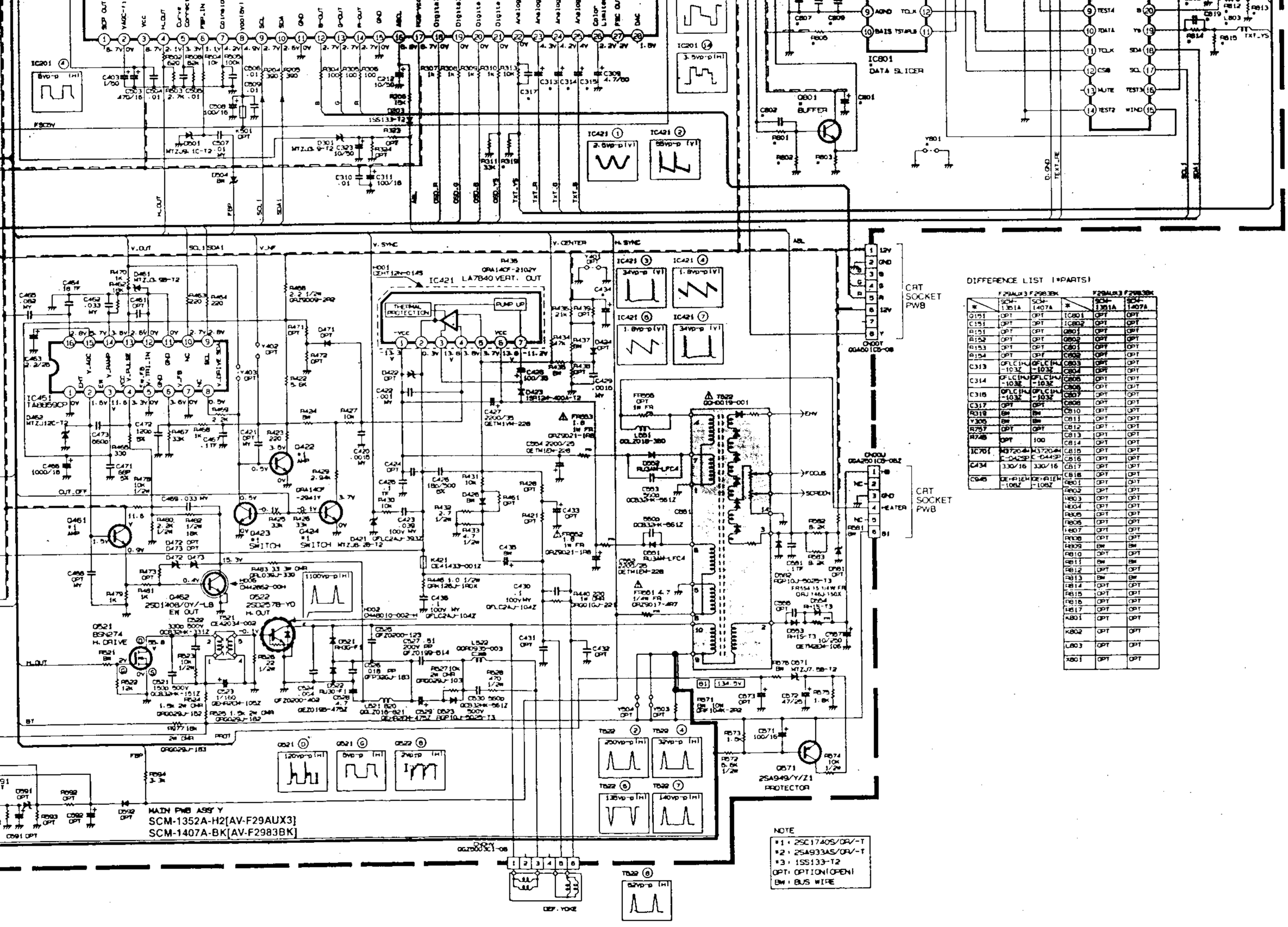




IC921 STR-F6655
POWER REGULATOR
OVP
TSD
OSC
DRIVE
GND
VCC
T921 SW TRANSF QQS0053-001
D901 D3SB60
CNDEG
DEG-COIL
IC974 AN78L05-T
5V REGULATOR
IC971 BA17812T
12V REGULATOR
Q981 2SA933AS/QR/-T
PROTECTOR
IC972 BA17809T
9V REGURATOR
IC973 BA17805T
5V REGURATOR
Q971 2SA966/OY/-T
LOW-B SW
Q973 2SA966/OY/-T
LOW-B SW
Q974 DTC144GSA-T
SWITCH
Q972 DTC144GSA-T
SWITCH
PC921 PC123F2
VOLTAGE
FEED BACK
OR
TLP721F(D4-GR)
IC941 SE135N
ERROR AMP
Q941
ERROR AMP
Q942 DTC144GSA-T
SWITCH
LIVE
ISOLATED
Q703 H SYNC INVERTER
Q702 V SYNC INVERTER
IC201
IC451 TA8859CP
Q461 AMP
Q452 2SD1408/OY/-LB
EW OUT
Q521 BSN274
H. DRIVE
Q522 H. OUT
Q451 2SC1815/YG/-T
PROTECTOR
Q452 INVERTER 2SC1815/YG/-T
Q423 SWITCH
CN051
FOR TEST
MAIN PWB ASS'Y
SCM-1352A-H2[AV-F29AU
SCM-1407A-BK[AV-F2983

MAIN PWB CIRCUIT DIAGRAM [AV-F29AUX3 / AV-F2983BK]





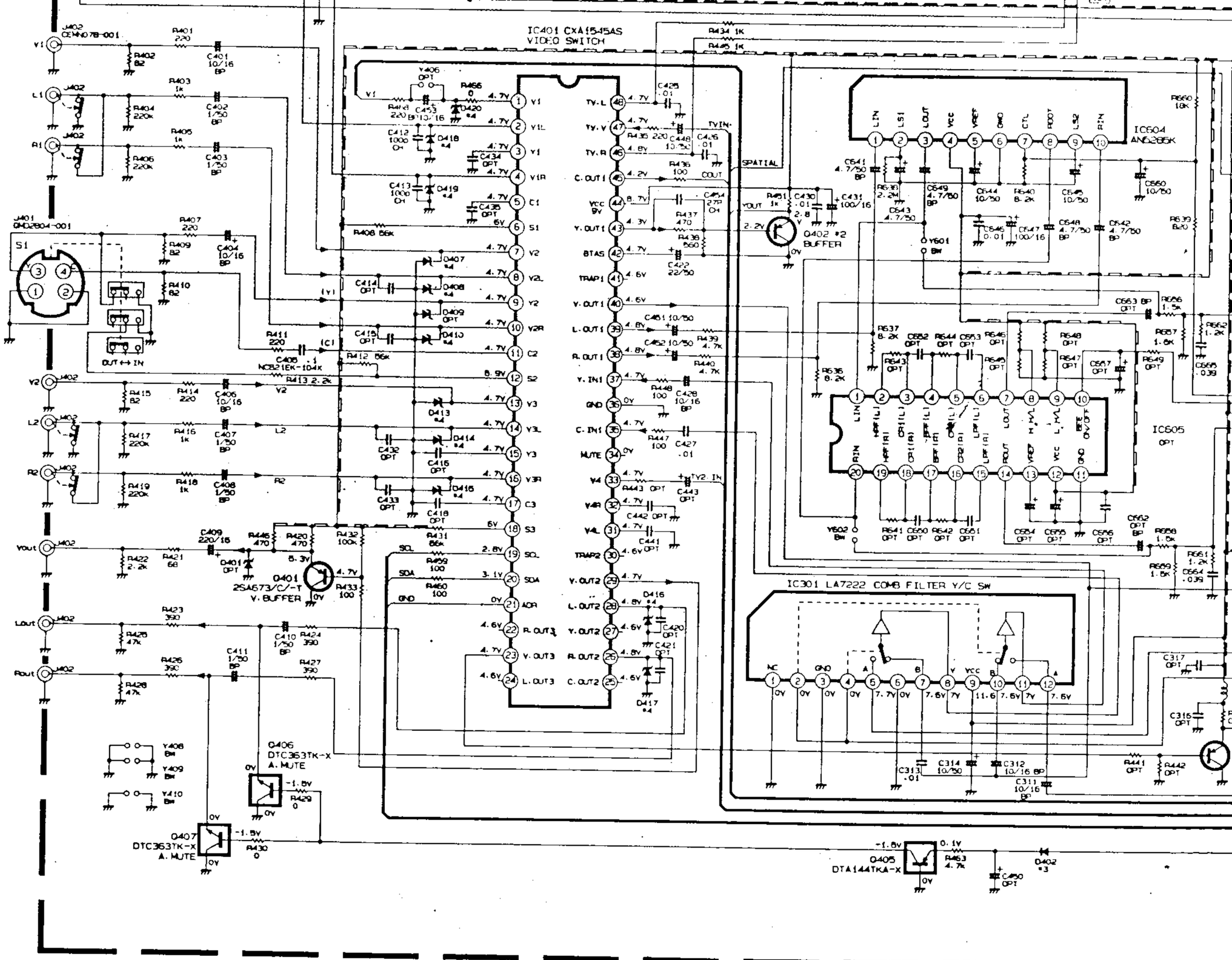
DIFFERENCE LIST (*PARTS)

*	F29AUX3 SCM-1351A	F29838K SCM-1407A	*	F29AUX3 SCM-1351A	F29838K SCM-1407A
Q151	OPT	OPT	IC801	OPT	OPT
C151	OPT	OPT	Q801	OPT	OPT
R151	OPT	OPT	Q802	OPT	OPT
R152	OPT	OPT	C801	OPT	OPT
R153	OPT	OPT	C802	OPT	OPT
R154	OPT	OPT	C803	OPT	OPT
C313	OPT(C1H)/-103Z	OPT(C1H)/-103Z	C804	OPT	OPT
C314	OPT(C1H)/-103Z	OPT(C1H)/-103Z	C805	OPT	OPT
C315	OPT(C1H)/-103Z	OPT(C1H)/-103Z	C806	OPT	OPT
C317	OPT	OPT	C807	OPT	OPT
R318	6W	8W	C808	OPT	OPT
Y305	8W	8W	C810	OPT	OPT
R757	OPT	OPT	C811	OPT	OPT
R748	OPT	100	C812	OPT	OPT
			C813	OPT	OPT
IC701	M37204M4-044SP	M37204M4-044SP	C814	OPT	OPT
C434	330/16	330/16	C815	OPT	OPT
C945	OPT(C1H)/-106Z	OPT(C1H)/-106Z	C816	OPT	OPT
			C817	OPT	OPT
			C818	OPT	OPT
			R801	OPT	OPT
			R802	OPT	OPT
			R803	OPT	OPT
			R804	OPT	OPT
			R805	OPT	OPT
			R806	OPT	OPT
			R807	OPT	OPT
			R808	OPT	OPT
			R809	8W	8W
			R810	OPT	OPT
			R811	8W	8W
			R812	OPT	OPT
			R813	8W	8W
			R814	OPT	OPT
			R815	OPT	OPT
			R816	OPT	OPT
			R817	OPT	OPT
K801	OPT	OPT			
K802	OPT	OPT			
L803	OPT	OPT			
X801	OPT	OPT			

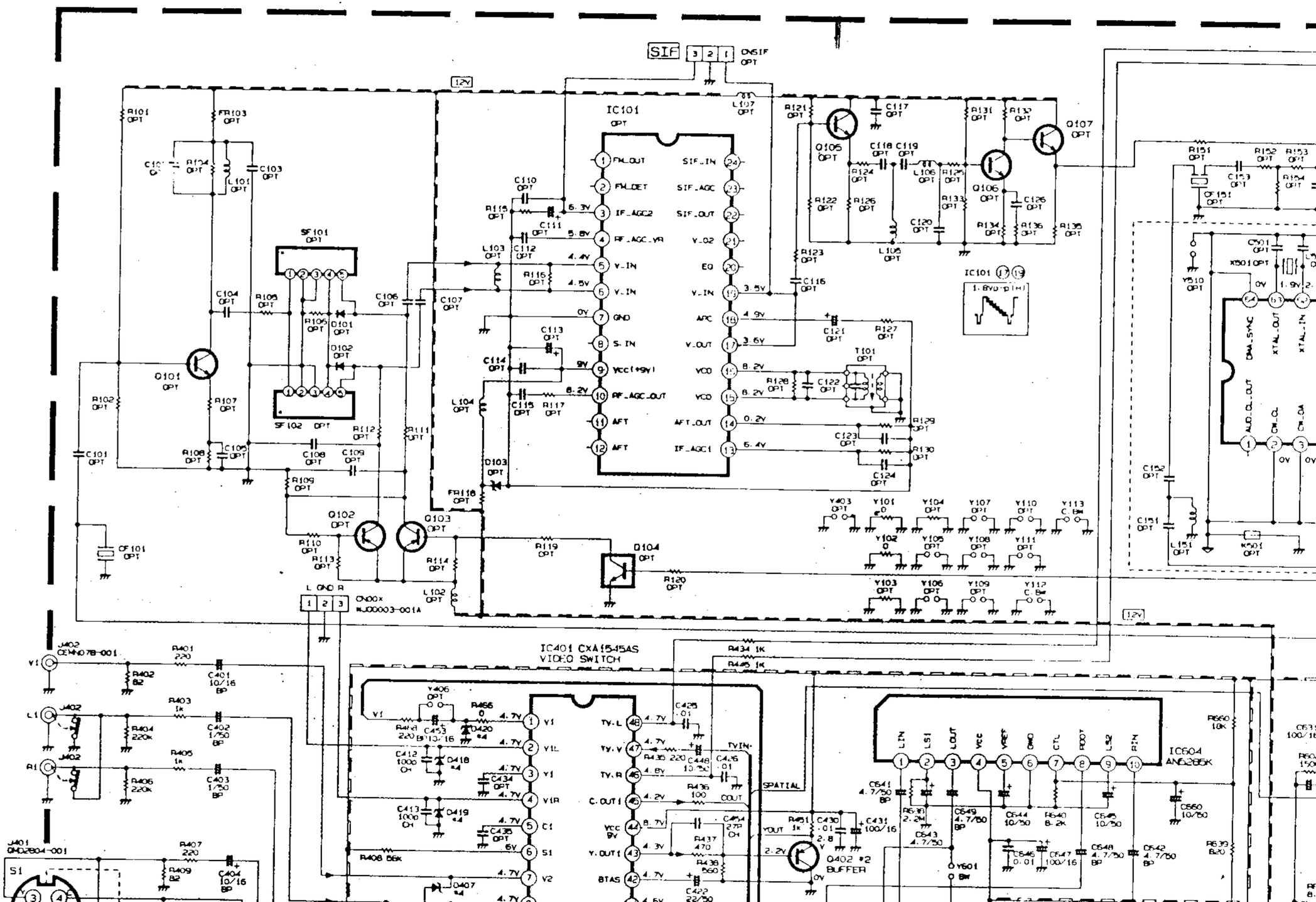
NOTE
*1 : 2SC1740S/QR/-T
*2 : 2SA933AS/QR/-T
*3 : 1SS133-T2
OPT: OPTION(OPEN)
8W : BUS WIRE

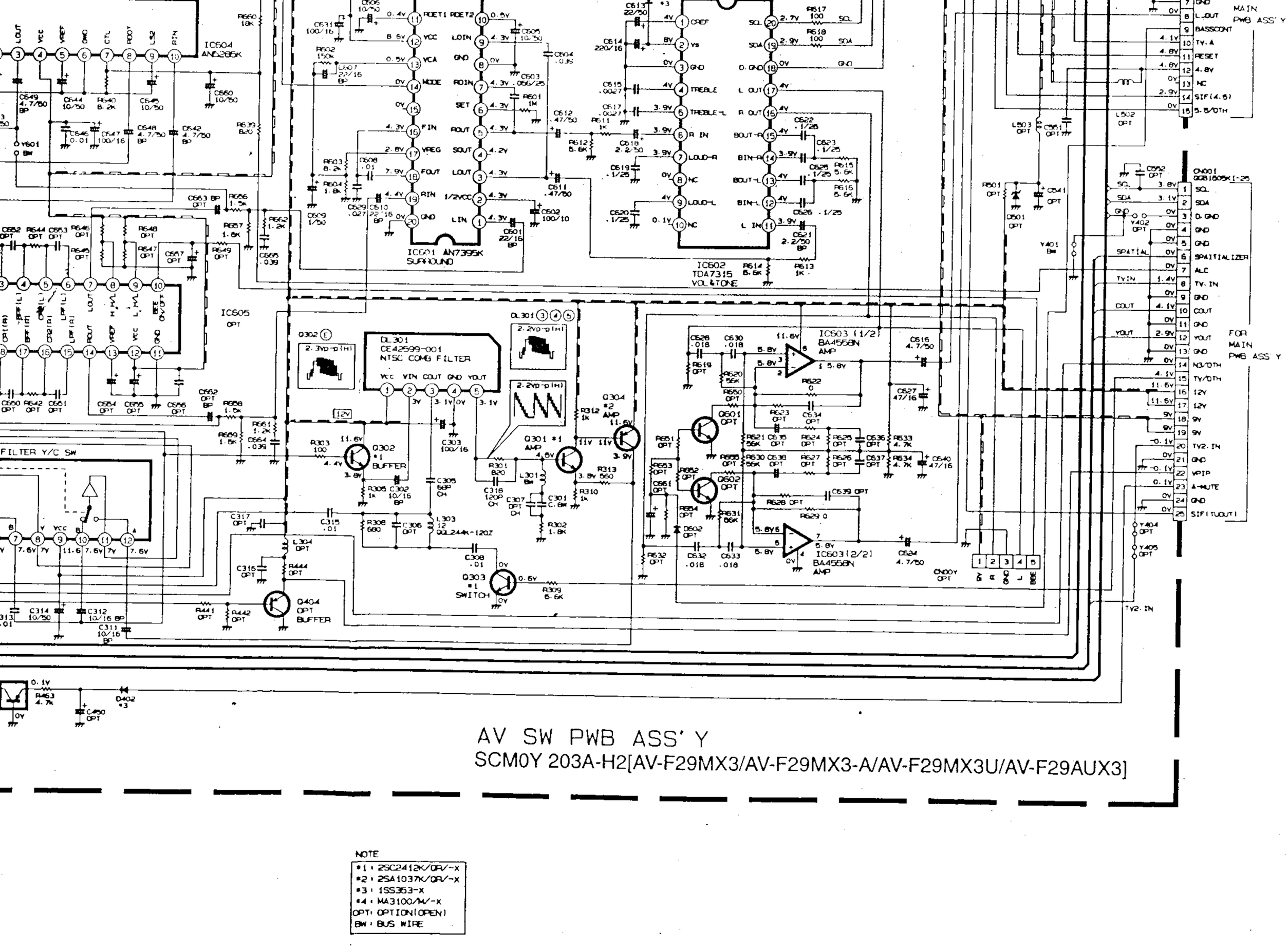
AV-F29AUX3 AV-F2983BK

AV SW PWB ASS'Y
CN001 QGB1606J1-25
CN006 QGB1606J1-15
CN004 OPT
IC681 LA4446 AUDIO AMP
Q682 DTC323TS-T
Q681 DTC323TS-T
Q680 OPT
Q701 *2 MUTE DRIVE
Q704 OPT
Q201 *2 BUFFER
Q302 *1 BUFFER
Q802 OPT
Q801 BUFFER
EF201 CE42142-222Z
X301 QAX0384-001
IC201 TB1227BN V/C DEF. PROCESSOR
IC801 DATA SLICER
IC802 TELETEXT DECODER
AUDIO-R
AUDIO-L
BASSCONT
TXT_R
TXT_G
TXT_B
TXT_YS
D.GND
TEXT_RE
SCL1
SDA1


IC401 CXA1545AS
VIDEO SWITCH
IC604
AN6285K
IC605
OPT
IC301 LA7222 COMB FILTER Y/C SW
Q401
2SA673/C/-T
V. BUFFER
Q402 *2
BUFFER
Q403
DTC363TK-X
A. MUTE
Q404
DTC363TK-X
A. MUTE
Q405
DTA144TKA-X
SPATIAL
TVIN
TV2 IN
COUT
YOUT
OUT ↔ IN

AV SW PWB CIRCUIT DIAGRAM [AV-F29MX3 / AV-F29MX3-A / AV-F29MX3U / AV-F29AUX3]





AV SW PWB ASS' Y

SCM0Y 203A-H2[AV-F29MX3/AV-F29MX3-A/AV-F29MX3U/AV-F29AUX3]

NOTE

*1 : 2SC2412K/QR/-X
*2 : 2SA1037K/QR/-X
*3 : 1SS363-X
*4 : MA3100/M/-X
OPT: OPTION(OPEN)
BW : BUS WIRE

AV-F29MX3 AV-F29MX3U
AV-F29AUX3

A / AV-F29MX3U / AV-F29AUX3]

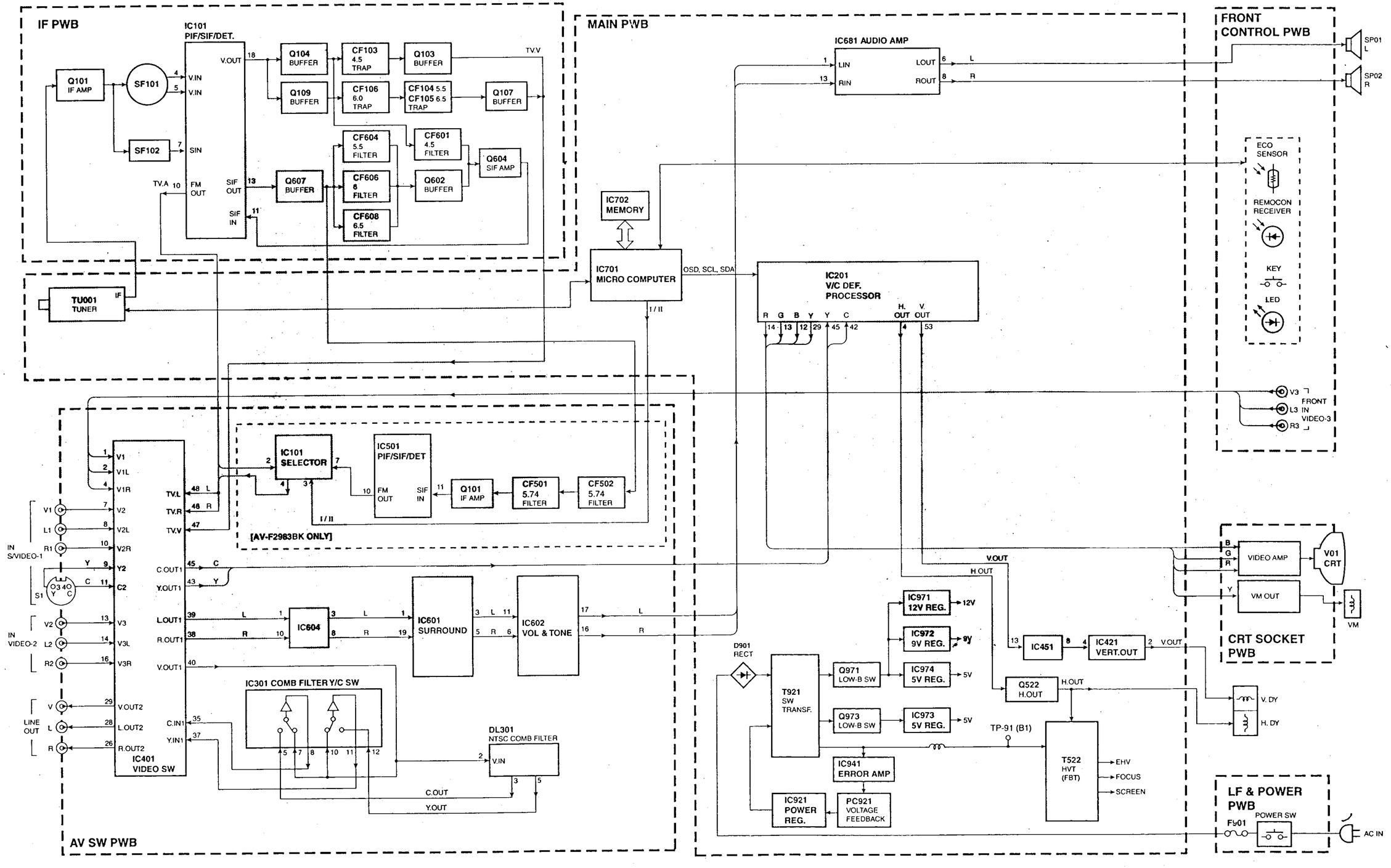
A2/NICAM

FOR MAIN PWB ASSY

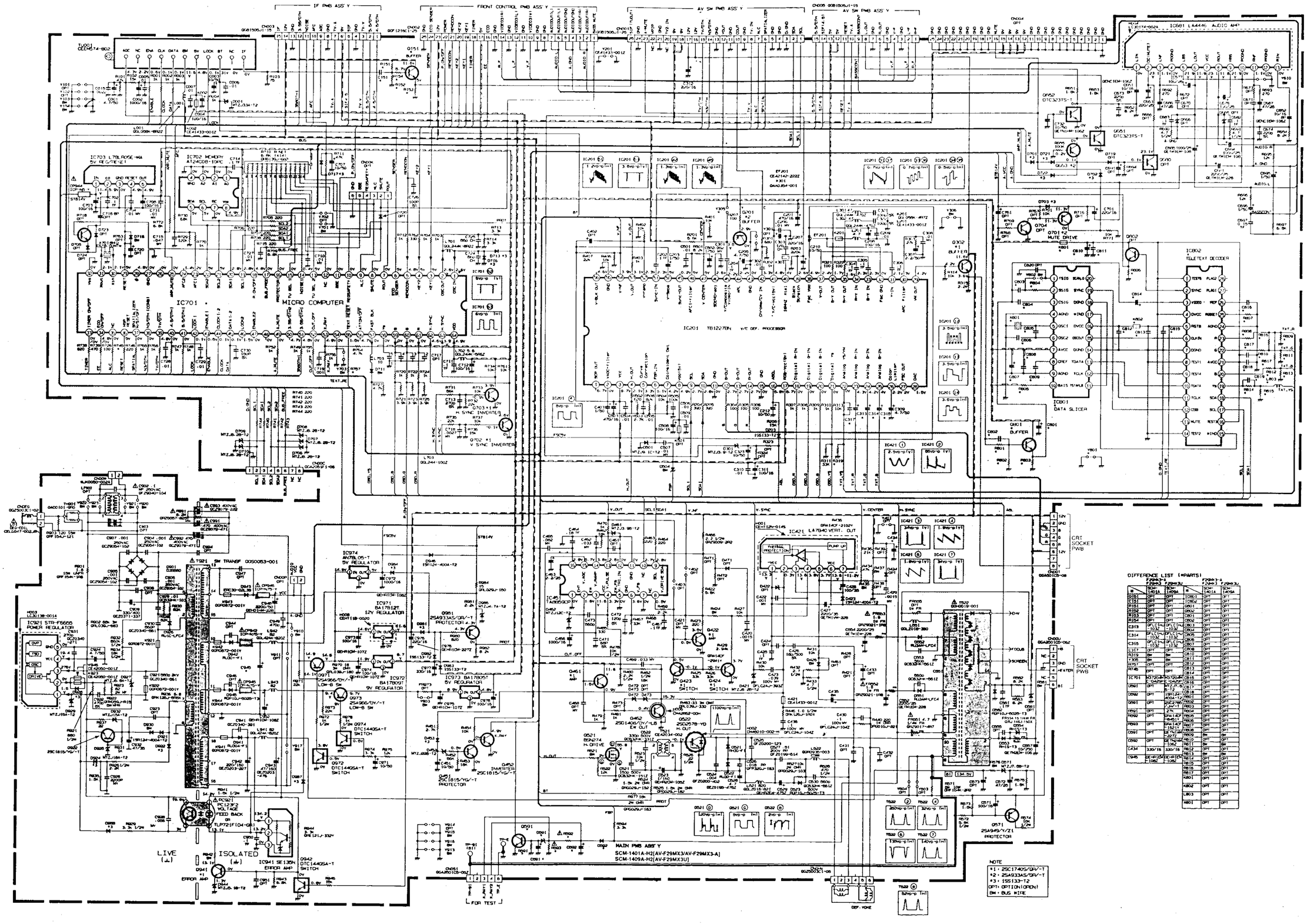
AV-F29MX3 AV-F29MX3U
AV-F29AUX3 AV-F2983BK

JVC

BLOCK DIAGRAM



CIRCUIT DIAGRAMS *MAIN PWB CIRCUIT DIAGRAM [AV-F29MX3 / AV-F29MX3-A / AV-F29MX3U]*



DIFFERENCE LIST (*PARTS)

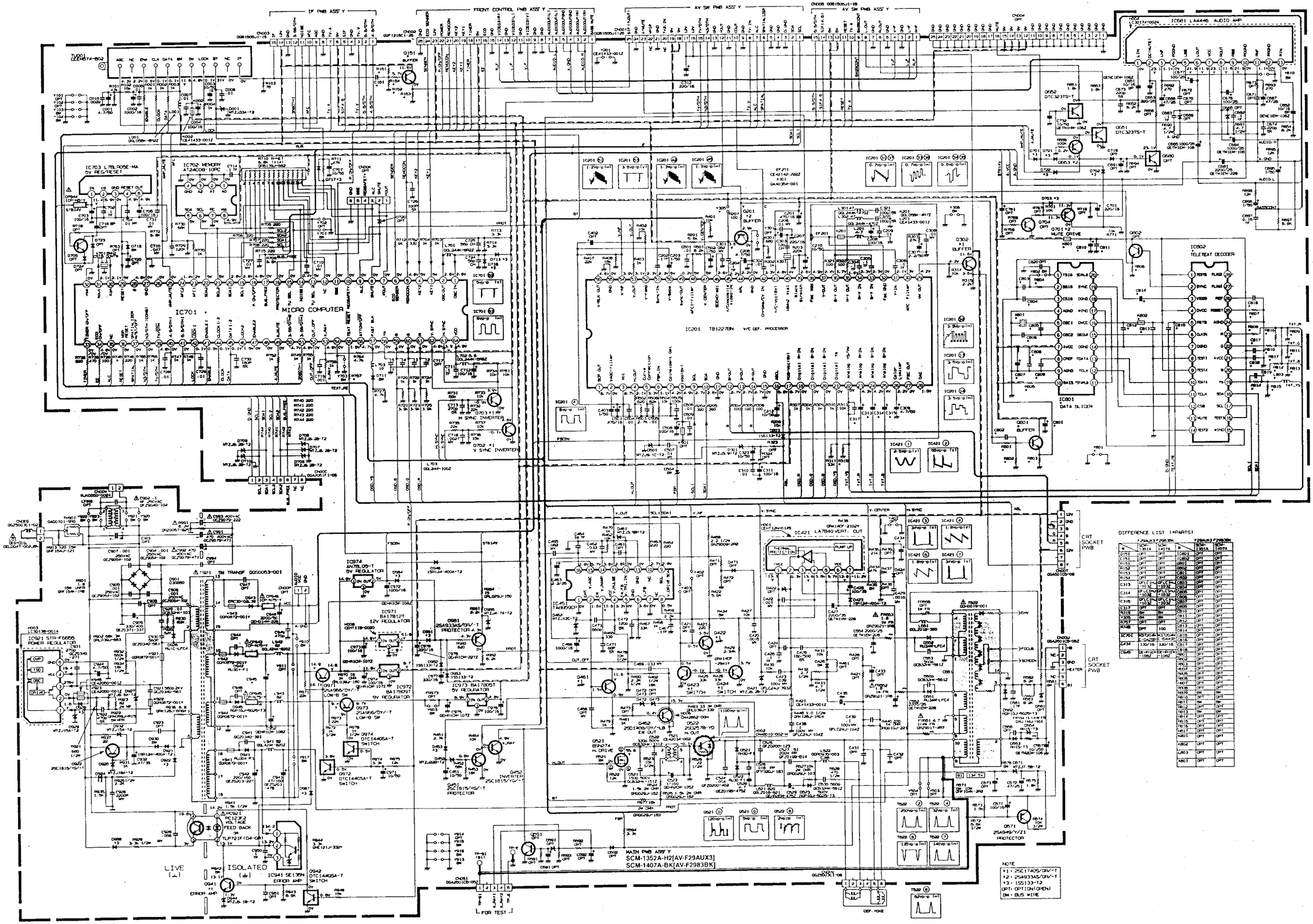
#	F29MX3-A F29MX3 F29MX3U SCH-1401A	SCH-1409A
Q151	OPT	OPT
C153	OPT	OPT
R151	OPT	OPT
R152	OPT	OPT
R153	OPT	OPT
R154	OPT	OPT
C313	10µF/16V	OPT
C314	10µF/16V	OPT
C315	10µF/16V	OPT
C317	OPT	OPT
R319	0Ω	0Ω
V305	0Ω	0Ω
R747	0Ω	0Ω
R748	OPT	OPT
IC701	SCH-1401A-H2	SCH-1409A
D941	MTZJ7.5B-T2	MTZJ7.5B-T2
D942	OPT	OPT
Q961	OPT	2SC2786 2SC2786-T
R961	OPT	2.7K
R962	OPT	2.7K
R963	OPT	2.7K
C961	OPT	0.047µ/50V
C962	OPT	0.047µ/50V
C434	330/16	330/16
D945	OPT	1SR154-400TE-17

#	F29MX3-A F29MX3 F29MX3U SCH-1401A	SCH-1409A
IC801	OPT	OPT
IC802	OPT	OPT
Q801	OPT	OPT
Q802	OPT	OPT
D801	OPT	OPT
C802	OPT	OPT
C803	OPT	OPT
C804	OPT	OPT
C805	OPT	OPT
C806	OPT	OPT
C807	OPT	OPT
C808	OPT	OPT
C809	OPT	OPT
C810	OPT	OPT
C811	OPT	OPT
C812	OPT	OPT
C813	OPT	OPT
C814	OPT	OPT
C815	OPT	OPT
C816	OPT	OPT
C817	OPT	OPT
C818	OPT	OPT
R801	OPT	OPT
R802	OPT	OPT
R803	OPT	OPT
R804	OPT	OPT
R805	OPT	OPT
R806	OPT	OPT
R807	OPT	OPT
R808	OPT	OPT
R809	0Ω	0Ω
R810	0Ω	0Ω
R811	0Ω	0Ω
R812	OPT	OPT
R813	OPT	OPT
R814	OPT	OPT
R815	OPT	OPT
R816	OPT	OPT
R817	OPT	OPT
X801	OPT	OPT
X802	OPT	OPT
L803	OPT	OPT
H801	OPT	OPT

NOTE
*1 : 2SC1740S/GR/-T
*2 : 2SA933AS/GR/-T
*3 : 1SS133-T2
OPT: OPTION(OPEN)
BW : BUS WIRE

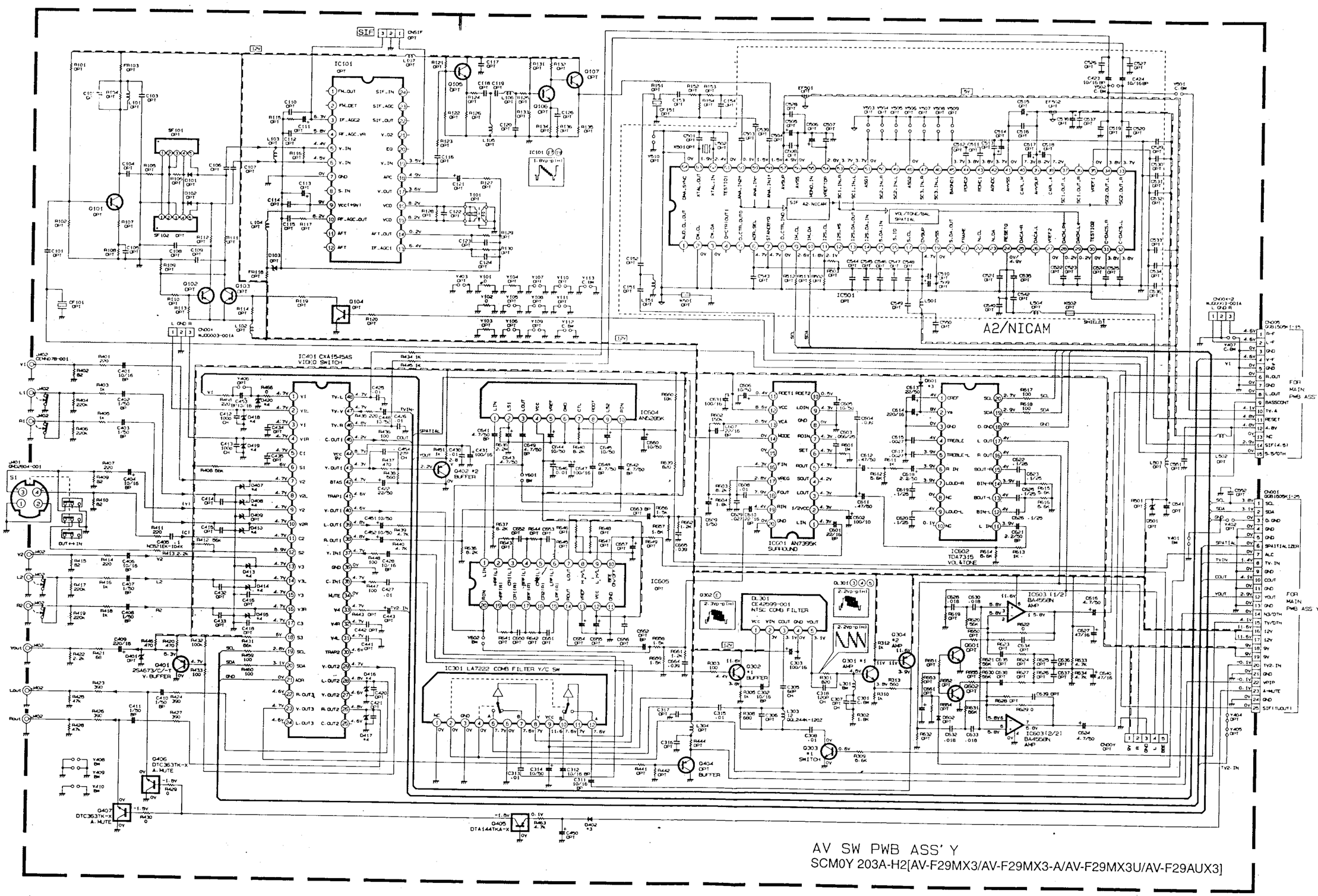
AV-F29AUX3 AV-F2983BK

MAIN PWB CIRCUIT DIAGRAM [AV-F29AUX3 / AV-F2983BK]



AV-F29MX3 AV-F29MX3U
AV-F29AUX3

AV SW PWB CIRCUIT DIAGRAM [AV-F29MX3 / AV-F29MX3-A / AV-F29MX3U / AV-F29AUX3]



AV SW PWB ASS'Y
SCM0Y 203A-H2[AV-F29MX3/AV-F29MX3-A/AV-F29MX3U/AV-F29AUX3]

NOTE
*1 : 2SC2412K/QR/-X
*2 : 2SA1037K/QR/-X
*3 : 1SS353-X
*4 : MA3100/M/-X
OPT: OPTION(OPEN)
BW : BUS WIRE